

ANTIBODIES FOR SIGNAL TRANSDUCTION

Notable Proteintech[®] products for signal transduction.

www.ptglab.com

PRODUCT FOCUS

STAT3 Antibody

Catalog Number
10253-2-AP

Type
Rabbit Polyclonal

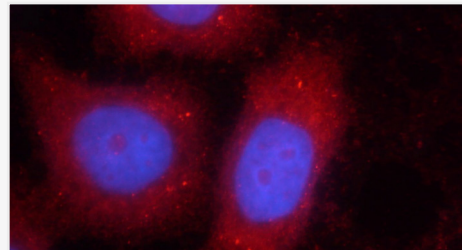
Applications
ELISA, ChIP, FC, IF, IHC, IP, WB

20 Publications

KD/KO Validated

STAT3, one of the latent cytoplasmic transcription factors, mediates the expression of a broad gene variety in response to cell stimuli, and thus plays a key role in cell growth and apoptosis. While working with Proteintech STAT3 antibodies, Yan and colleagues suggested that cancer-associated fibroblasts (CAFs) may activate the anti-apoptotic STAT3 signaling, and

decrease Cisplatin-induced apoptosis, thereby promoting chemoresistance in ovarian cancer.¹ Furthermore, another research group using STAT3 antibodies suggested Arctigenin (Atn) as a promising drug candidate for designing new and effective STAT3 inhibitors.²



Immunofluorescent analysis of HeLa cells using STAT3 antibody (10253-2-AP) at a dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.

References

- ¹ Cancer-associated fibroblasts attenuate Cisplatin-induced apoptosis in ovarian cancer cells by promoting STAT3 signaling, (PMID: 26826383).
- ² Arctigenin inhibits STAT3 and exhibits anticancer potential in human triple-negative breast cancer therapy, (PMID: 27861147).

S100A11 Antibody

Catalog Number
10237-1-AP

Type
Rabbit Polyclonal

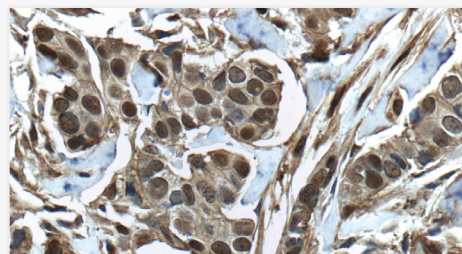
Applications
ELISA, CoIP, FC, IF, IHC, IP, WB

24 Publications

KD/KO Validated

Expression of S100A11 is often enhanced in diverse types of human cancers. Wang et al., while working with Proteintech antibody, suggested that S100A11 could be a helpful marker, especially for the classification of different stages of colorectal

































cancer.¹ While performing IHC and WB analysis, researchers also reported that protein levels of S100A11 were overexpressed in adenocarcinomas (ADC) and squamous cell carcinomas (SCC) when compared with noncancerous lung tissues.²






























































Immunohistochemical staining of paraffin-embedded human breast cancer tissue slide using S100A11 antibody (10237-1-AP) at a dilution of 1:200 (under 40x lens). Heat-mediated antigen retrieved with Tris-EDTA buffer (pH9).


References

- ¹ Colorectal cancer progression correlates with upregulation of S100A11 expression in tumor tissues, (PMID: 18340452).
- ² Selective expression of S100A11 in lung cancer and its role in regulating proliferation of adenocarcinomas cells, (PMID: 21861103).

Antibody Name	Cat. No.	Type	Applications
AKT	  60203-2-Ig	Mouse Mono	ELISA, IF, IHC, IP, WB
AKT1	  10176-2-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
AKT-phospho-S473	66444-1-Ig	Mouse Mono	ELISA, IHC, WB
AMPK alpha 1	  10929-2-AP	Rabbit Poly	ELISA, IF, IHC, WB
AP1, JUN, P39	  10024-2-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
ARL13B	  17711-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
ARNT, HIF1B	 14105-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
ATF6	 24169-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
ATF6B	 15794-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
beta Arrestin 1	 15361-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
beta-Catenin	  51067-2-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
CaMKII gamma	 12666-2-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
CAMKK2	  11549-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
CDC42	 10155-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
Chk1	  10362-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, WB
CLOCK	  18094-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
CREB1	 12208-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
CTGF	 23936-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
CXCR7	 51024-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, WB
E-cadherin	 20874-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
EGFR-Specific	 18986-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
ERK1/2	  16443-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
FAK	 12636-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
Glucocorticoid receptor	  24050-1-AP	Rabbit Poly	ELISA, ChIP, IF, IP, WB
GSK3B	  22104-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
HIF1a	  20960-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, WB
HMGB1	  10829-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
HRAS-Specific	 18295-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
IFT88	  13967-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
IkB alpha	 10268-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
IL-6	  21865-1-AP	Rabbit Poly	ELISA, IHC, WB
Insulin	 15848-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
Interferon gamma	 15365-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
IRAK1	  10478-2-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
IRF3	  11312-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
JAK2	 17670-1-AP	Rabbit Poly	ELISA, IP, WB
JNK	  51151-1-AP	Rabbit Poly	ELISA, IF, IP, WB

 This icon shows that the antibody has been validated using a siRNA knockdown/knockout experiment.

Antibody Name	Cat. No.	Type	Applications
KRAS	  12063-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
MTOR	 20657-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
MYCN	  10159-2-AP	Rabbit Poly	ELISA, IHC, WB
MYD88	 23230-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
NF-κB	 14220-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
NOTCH1	 20687-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
NUR77	  12235-1-AP	Rabbit Poly	ELISA, IF, WB
p38	  14064-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
p65; RELA	  10745-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
p70S6K	 14485-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
PD-L1/CD274	  17952-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
PER2	 20359-1-AP	Rabbit Poly	ELISA, IP, WB
PI3K p110 (beta)	 20584-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
PKC beta	 12919-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
PPAR gamma	  16643-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
PTEN	  22034-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
Rac1	 24072-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
RHOA	 10749-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
ROCK1	 21850-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
ROCK2-Specific (C-term)	  20248-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
S100A11	  10237-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
SHH	 20697-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
SHP2	  20145-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
SMAD2	  12570-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
SMAD3	 25494-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
SMAD4	  10231-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
SMAD5	 12167-1-AP	Rabbit Poly	ELISA, FC, IF, IP, WB
SOCS3	  14025-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
STAT1	  10144-2-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
STAT3	  10253-2-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
TAK1	 12330-2-AP	Rabbit Poly	ELISA, IHC, WB
TLR4	 19811-1-AP	Rabbit Poly	ELISA, IHC, WB
TNF-alpha	 17590-1-AP	Rabbit Poly	ELISA, IHC, WB
TNFR1	 21574-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, WB
TNFR2	  19272-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
TRAF3	  18099-1-AP	Rabbit Poly	ELISA, FC, IP, WB
VEGF	  19003-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
YAP1	  13584-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB

 This number shows the amount of times our antibody has been cited in a publication.