

IMPDH1 Polyklonaler Antikörper

Katalog-Nr.: 22092-1-AP

Vorgestelltes Produkt

10 Publikationen

Allgemeine Informationen

Katalog-Nr.:

22092-1-AP

Größe:

150ul, Konzentration: 550 µg/ml von Nanodrop und 240 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG17297

GenBank-Zugangsnummer:

BC033622

GeneID (NCBI):

3614

Vollständiger Name:

IMP (inosine monophosphate) dehydrogenase 1

Berechnete Masse:

563 aa, 60 kDa

Beobachtete Masse:

53-60 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:6000

IP 0.5-4.0 µg für IP und 1:1000-1:4000

für WB

IHC 1:20-1:200

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

Positivkontrollen:

WB : HeLa-Zellen, A431-Zellen, K-562-Zellen, Mausmilzgewebe, Raji-Zellen, Rattenmilzgewebe

IP : HeLa-Zellen,

IHC : humanes Ovarialkarzinomgewebe, humanes Tonsillitisgewebe

IF : HeLa-Zellen,

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

IMPDH1 (Inosine-5'-monophosphate dehydrogenase 1) is also named as IMPD1, IMP dehydrogenase 1 and belongs to the IMPDH/GMPR family. It catalyzes the rate limiting step of de novo guanine synthesis and an important target for the development of drugs with both chemotherapeutic and immunosuppressive activity. It may also have a role in the development of malignancy and the growth progression of some tumors. This protein has some isoforms produced by alternative splicing with the molecular mass of 53-65 kDa. This antibody may have cross reaction with IMPDH2 due to their high homology.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Narges Ahangari	34498062	J Neuropathol Exp Neurol	IF
Jake W Noble	27798680	PLoS One	IF
Eunus S Ali	32485148	Mol Cell	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

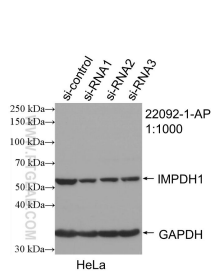
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

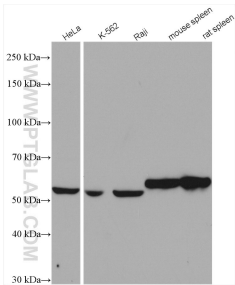
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

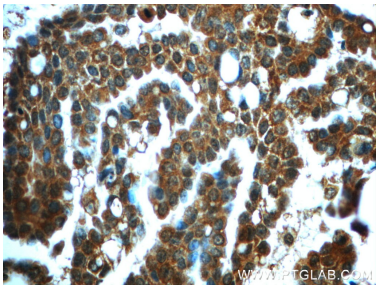
Ausgewählte Validierungsdaten



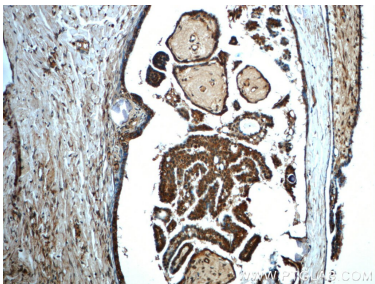
WB result of IMPDH1 antibody (22092-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IMPDH1 transfected HeLa cells.



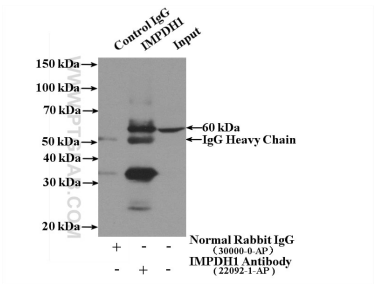
Various lysates were subjected to SDS PAGE followed by western blot with 22092-1-AP (IMPDH1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



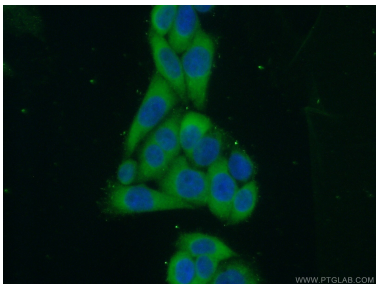
Immunohistochemical analysis of paraffin-embedded human ovary tumor slide using 22092-1-AP (IMPDH1 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human ovary tumor slide using 22092-1-AP (IMPDH1 Antibody) at dilution of 1:50.



IP Result of anti-IMPDPH1 (IP:22092-1-AP, 4ug; Detection:22092-1-AP 1:2000) with HeLa cells lysate 3200ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 22092-1-AP (IMPDH1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).