

For Research Use Only

CXorf21 Polyclonal antibody

Catalog Number: 30244-1-AP



Basic Information

Catalog Number: 30244-1-AP	GenBank Accession Number: BC020611	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 80231	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9HAI6	IHC 1:250-1:1000
Isotype: IgG	Full Name: chromosome X open reading frame 21	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG32773	Observed MW: 34 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : THP-1 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse skin tissue, human cervical cancer tissue, rat skin tissue, rat stomach tissue
	IF/ICC : U-251 cells, U2OS cells

Background Information

CXorf21 (Chromosome X open reading frame 21) is also named as TASL and TLR adapter interacting with SLC15A4 on the lysosome. CXorf21 is an innate immune adapter that mediates the recruitment and activation of IRF5 downstream of endolysosomal toll-like receptors TLR7, TLR8 and TLR9 (PMID:32433612). CXorf21 plays a role in the regulation of endolysosomal pH in immune cells such as B-cells, dendritic cells and monocytes (PMID: 31001245). CXorf21 is a mediator of the X-chromosome gene dose-dependent increased risk of SLE in females (PMID: 31695690).

Storage

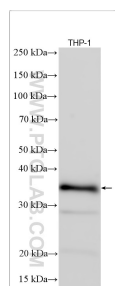
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

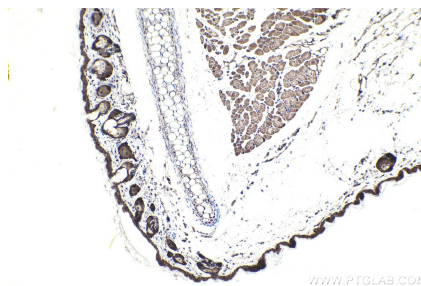
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

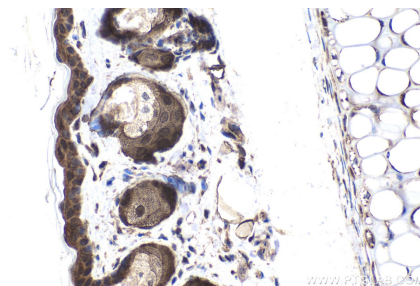
Selected Validation Data



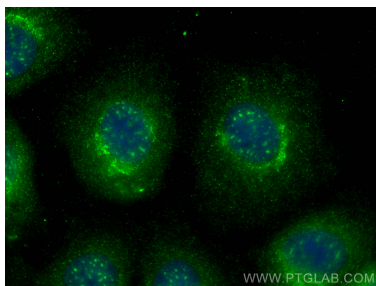
THP-1 cells were subjected to SDS PAGE followed by western blot with 30244-1-AP (CXorf21 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



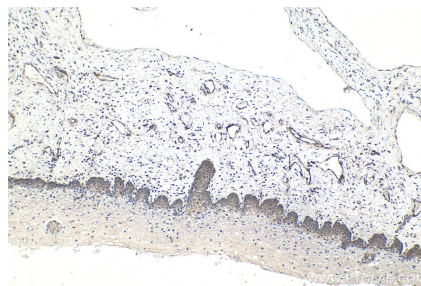
Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 30244-1-AP (CXorf21 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



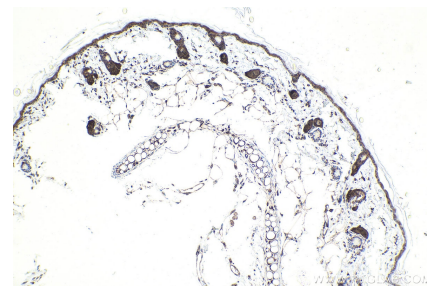
Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 30244-1-AP (CXorf21 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



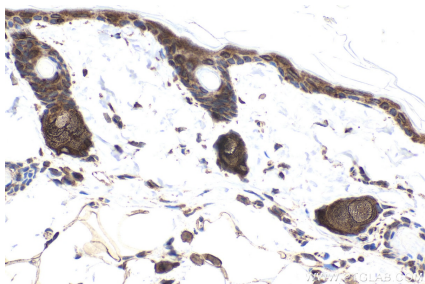
Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using CXorf21 antibody (30244-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



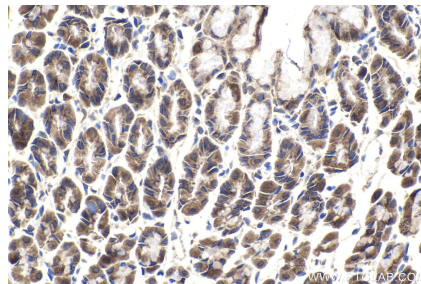
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 30244-1-AP (CXorf21 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



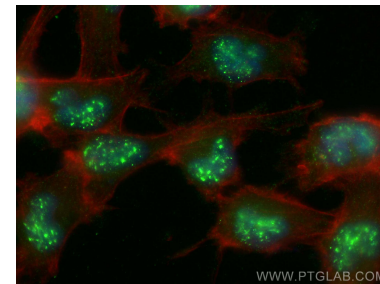
Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using 30244-1-AP (CXorf21 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using 30244-1-AP (CXorf21 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 30244-1-AP (CXorf21 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using CXorf21 antibody (30244-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).