

For Research Use Only

IRF6 Polyclonal antibody

Catalog Number: 12928-1-AP



Basic Information

Catalog Number: 12928-1-AP	GenBank Accession Number: BC014852	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3664	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:250-1:1000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: O14896	
Isotype: IgG	Full Name: interferon regulatory factor 6	
Immunogen Catalog Number: AG3623	Calculated MW: 467 aa, 53 kDa	
	Observed MW: 53-60 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, A549 cells, HaCaT cells

IHC : human lung tissue, mouse kidney tissue, human stomach cancer tissue

IF/ICC : HaCaT cells,

Background Information

The interferon regulatory factor (IRF) family of genes directs the expression and activity of interferon and thus can strictly regulate innate immunity. Interferon regulatory factor 6 (IRF6) belongs to a family of nine transcription factors that share a highly conserved helix–turn–helix DNA-binding domain and a less conserved protein-binding domain. IRF6 regulates the balance between immature ectoderm differentiation and proliferation during craniofacial morphogenesis. IRF6 functions as a tumor suppressor gene in breast cancer, cervical cancer, nasopharyngeal carcinoma and so on.

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**

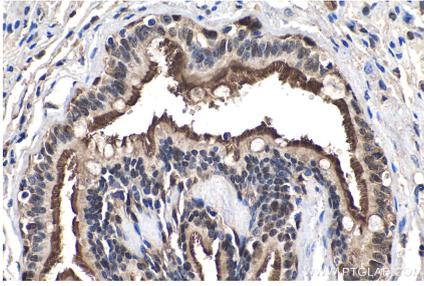
For technical support and original validation data for this product please contact:

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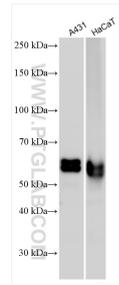
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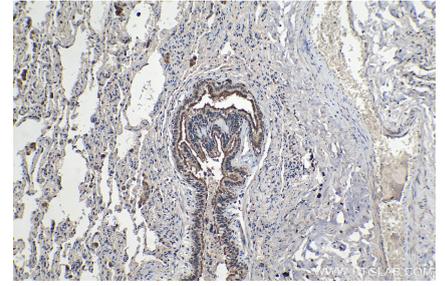
Selected Validation Data



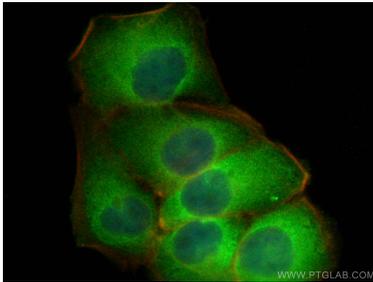
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 12928-1-AP (IRF6 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 12928-1-AP (IRF6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 12928-1-AP (IRF6 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HaCaT cells using IRF6 antibody (12928-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).