

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;	GenID (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	Positive Controls:	A431 cells, A549 cells, HaCaT cells
Species Specificity:	human, mouse, rat	IHC :	human lung tissue, mouse kidney tissue, human stomach cancer tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>			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

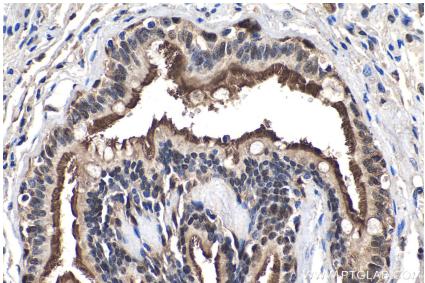
\*\*\* 20ul sizes contain 0.1% BSA

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

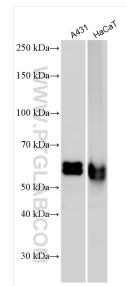
E: proteintech@ptglab.com  
W: ptglab.com

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

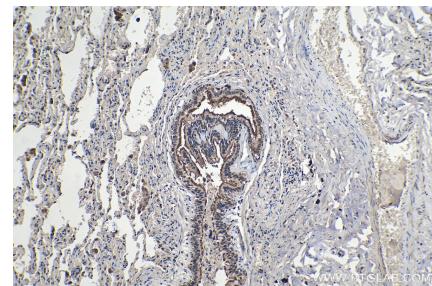
## Selected Validation Data



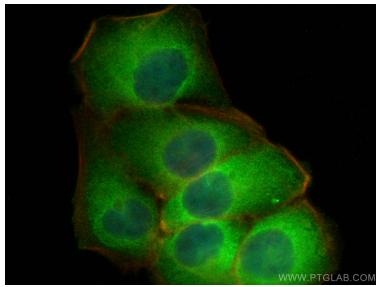
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 12928-1-AP (IRF6 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).