

For Research Use Only

GJB3 Polyclonal antibody

Catalog Number: 12880-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:	12880-1-AP	GenBank Accession Number:	BC012918	Purification Method:	Antigen affinity purification
Source:	Rabbit	GenID (NCBI):	2707	Recommended Dilutions:	WB: 1:1000-1:4000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:50-1:500 IF-P: 1:50-1:500
Isotype:	IgG	UNIPROT ID:	075712		
Immunogen Catalog Number:	AG3839	Full Name:	gap junction protein, beta 3, 31kDa		
		Calculated MW:	270 aa, 31 kDa		
		Observed MW:	31 kDa		

Applications

Tested Applications:	WB, IHC, IF-P, IP, ELISA	Positive Controls:	
Cited Applications:	WB, IHC, IF	WB:	mouse stomach tissue, mouse ovary tissue, HeLa cells
Species Specificity:	human, mouse, rat	IP:	HeLa cells,
Cited Species:	human, mouse, rat, marmoset	IHC:	mouse placenta tissue, human ovary tumor tissue, human cervix tissue, human skin cancer tissue
		IF-P:	human placenta tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

Background Information

GJB3, also known as Connexin-31 (Cx31), belongs to the connexin family. Connexins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. Mutations in the gene of GJB3 have been described in patients with dominant and recessive hearing impairment and in patients with erythrokeratoderma variabilis (EKV).

Notable Publications

Author	Pubmed ID	Journal	Application
Stefania Monterisi	36107487	Elife	WB
Girieca Lorusso	36070364	Sci Transl Med	WB,IHC
Yanmiao Huo	36341459	Front Immunol	WB,IHC

Storage

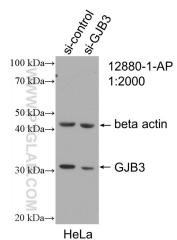
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com

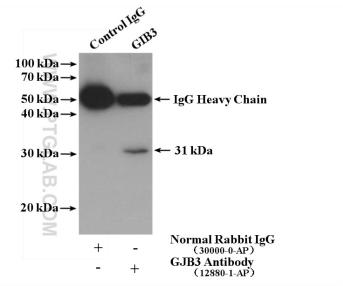
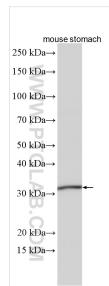
W: ptgcn.com

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Selected Validation Data



WB result of GJB3 antibody (12880-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GJB3 transfected HeLa cells.



IP result of anti-GJB3 (IP:12880-1-AP, 4ug; Detection:12880-1-AP 1:500) with HeLa cells lysate 2600 ug.

