

For Research Use Only

human IgG heavy chain Polyclonal antibody



Catalog Number: 16402-1-AP

9 Publications

Basic Information

Catalog Number: 16402-1-AP	GenBank Accession Number: BC025985	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3503	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:50-1:500
Source: Rabbit	Full Name: immunoglobulin heavy constant gamma 4 (G4m marker)	
Isotype: IgG	Calculated MW: 473 aa, 52 kDa	
Immunogen Catalog Number: AG9519	Observed MW: 55 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: CoIP, IF, IHC, IP, RIP, WB	WB: human plasma tissue, Jurkat cells
Species Specificity: human, mouse, rat	IHC: human tonsillitis tissue,
Cited Species: human	

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

IGHG4 has some fragments with MW 36 kDa (<http://www.uniprot.org/uniprot/P01861>) and 52 kDa (<http://www.ncbi.nlm.nih.gov/protein/CAE45900>). This antibody detects all the Heavy chain of human immunoglobulin gamma (IgG), IgG1, IgG2, IgG3, IgG4 included.

Notable Publications

Author	Pubmed ID	Journal	Application
Rong Ding	34553339	J Physiol Biochem	IP
Dong-Lin Ren	31897137	Oncol Lett	WB
Xiaohui Xu	28565798	Exp Ther Med	WB

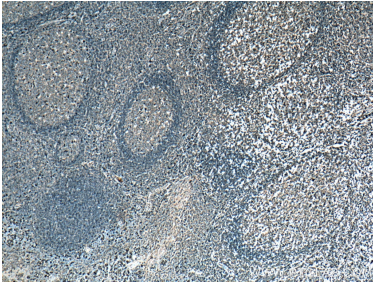
Storage

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

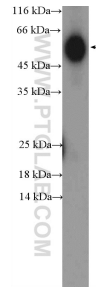
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16402-1-AP (human IgG heavy chain antibody) at dilution of 1:200 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human plasma (0.3ug) were subjected to SDS PAGE followed by western blot with 16402-1-AP (human IgG heavy chain Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.