

## IgA Rabbit mAb

Catalog No: #49423

Package Size: #49423-1 50ul #49423-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

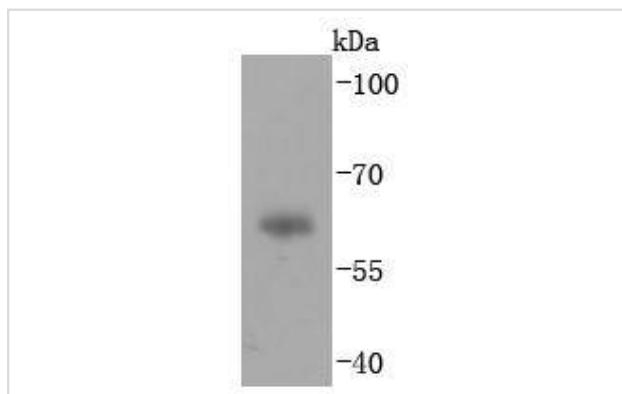
## Description

Product Name	IgA Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM10-42
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	Hepatocellular carcinoma-associated protein TB6 antibody Ig alpha 1 chain C region antibody Ig alpha 2 chain C region antibody IGHA antibody IGHA1 antibody IGHA2 antibody Immunoglobulin heavy constant alpha 1 antibody Immunoglobulin heavy constant alpha 2 A2m marker antibody Immunoglobulin heavy constant alpha 2 antibody PIgR antibody Poly-Ig receptor antibody polymeric immunoglobulin receptor antibody polymeric immunoglobulin receptor Secretory component antibody
Accession No.	Swiss-Prot#:P01876
Uniprot	P01876
Calculated MW	60 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

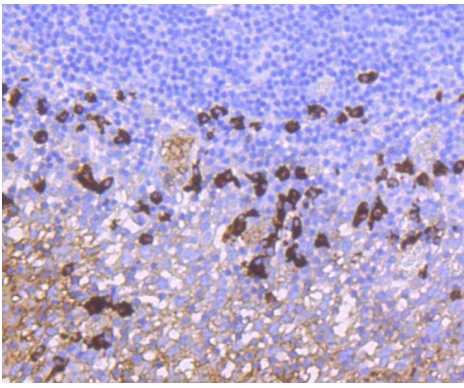
## Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200 IP: 1:50-1:100

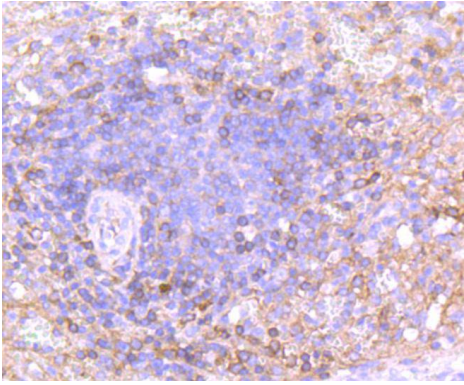
## Images



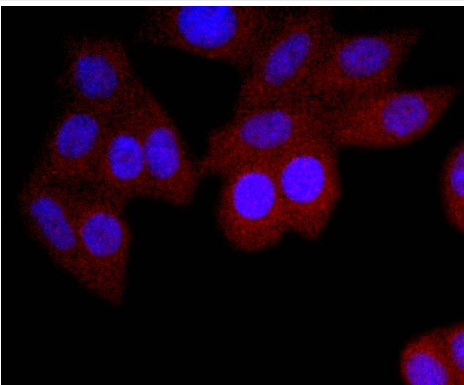
Western blot analysis of IgA on human plasma lysates using anti-IgA antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-IgA antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-IgA antibody. Counter stained with hematoxylin.



ICC staining IgA in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Immunoglobulins are four-chain, Y-shaped, monomeric structures comprised of two identical heavy chains and two identical light chains held together through interchain disulfide bonds. The chains form two domains, the Fab (antigen binding) fragment and the Fc (constant) fragment. Immunoglobulin A (IgA) is the main protein of the mucosal immune system. It is generated by B cells in gut-associated lymphoid tissues. Daily production of IgA exceeds that of any of the other immunoglobulins. The IgA heavy chain is an  $\alpha$ -chain, and the light chains are either  $\kappa$ - or  $\lambda$ - chains. IgA exists mainly in dimers but can also exist as polymers or as monomers. Dimers and polymers contain a joining (J) chain that can be bound by the polymeric immunoglobulin receptor (pIgR) for transportation of the molecule to mucosal surfaces.

## References

Note: This product is for in vitro research use only