

## IgA polyclonal antibody

Catalog: BS90687

Host: Rabbit

Reactivity: Human

### 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

60 kDa

### Swiss-Prot:

P01876(Human) P01877(Human)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000

ICC:1:50-1:200

IHC:1:50-1:200

IP:1:50-1:100

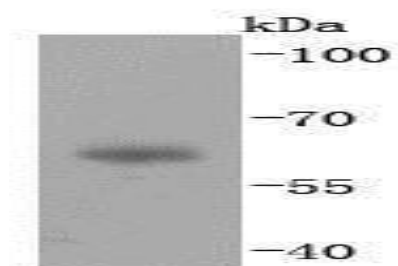
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

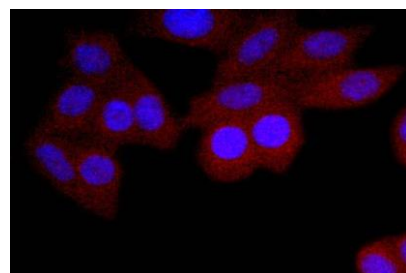
### Specificity:

IgA polyclonal antibody detects endogenous levels of IgA protein.

### DATA:



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



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.

### Note:

For research use only, not for use in diagnostic procedure.

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