

Rabbit anti-Human, Rat IgA Polyclonal Antibody | anti-IGHA1 antibody

IgA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327522	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

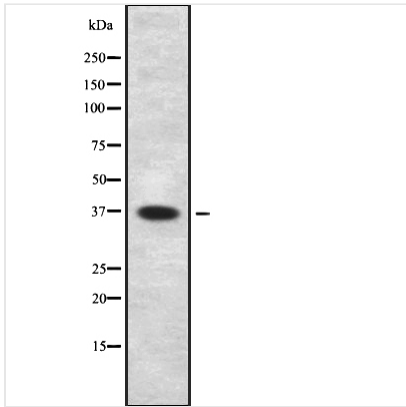
PRODUCT SYNONYMS

IgA; Polyclonal Antibody; IgA Antibody; FLJ14473; FLJ35065; FLJ35500; FLJ36402; FLJ39698; FLJ40001; FLJ41548; FLJ41552; FLJ41789; FLJ43248; FLJ43594; FLJ44293; FLJ46028; FLJ46621; FLJ46724; FLJ46811; FLJ46824; FLJ90170; Ig alpha 1 chain C region; IgA1; IGHA1; immunoglobulin heavy constant alpha 1; MGC102857; A2m marker; Ig alpha 2 chain C region; IgA constant heavy chain 2; IGHA 2; IGHA2; IGHA2 protein; Immunoglobulin A2; Immunoglobulin Am2; immunoglobulin heavy constant alpha 2 (A2m marker); Immunoglobulin heavy constant alpha 2; anti-IGHA1 antibody

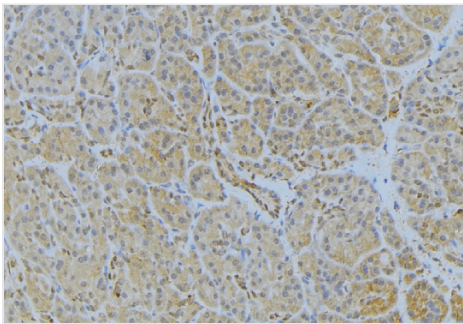
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IgA antibody detects endogenous levels of total IgA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	353
Applicable Applications for anti-IGHA1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IgA
Subcellular Location	Secreted
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis IgA using Jurkat whole cell lysates



IHC (Immunohistochemistry)
AAA327522 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-IGHA1 antibody	Function: Constant region of immunoglobulin heavy chains. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins-secreting plasma cells. Secreted immunoglobulins mediate the effector phase of humoral immunity, which results in the elimination of bound antigens (PubMed:22158414, PubMed:20176268). The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen (PubMed:17576170, PubMed:20176268). Ig alpha is the major immunoglobulin class in body secretions (PubMed:2241915). Subunit Structure: Immunoglobulins are composed of two identical heavy chains and two identical light chains; disulfide-linked (PubMed:20176268). Monomeric or polymeric (PubMed:2241915). Post-translational Modifications: 3-Hydroxykynurenine, an oxidized tryptophan metabolite that is common in biological fluids, reacts with alpha-1-microglobulin to form heterogeneous polycyclic chromophores including hydroxanthommatin. The chromophore reacts with accessible cysteines forming non-reducible thioether cross-links with Ig alpha-1 chain C region Cys-352. N-and O-glycosylated. N-glycan at Asn-144: Hex5HexNAc4.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	113584
NCBI GeneID	3493
UniProt Accession #	P01876; P01877
Molecular Weight	Observed: 37 kDa Predicted: 38 kDa
NCBI Official Full Name	Immunoglobulin heavy constant alpha 1
NCBI Official Synonym Full Names	immunoglobulin heavy constant alpha 1
NCBI Official Symbol	IGHA1
NCBI Official Synonym Symbols	IgA1
UniProt Protein Name	Immunoglobulin heavy constant alpha 1
UniProt Gene Name	IGHA1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

