

LYP/PTPN22 Antibody | anti-PTPN22 antibody

Goat anti-LYP/PTPN22 Antibody

CATALOG # AAA61801	REACTIVITY Human Expected from sequence similarity: Chimpanzee	APPLICATIONS Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA
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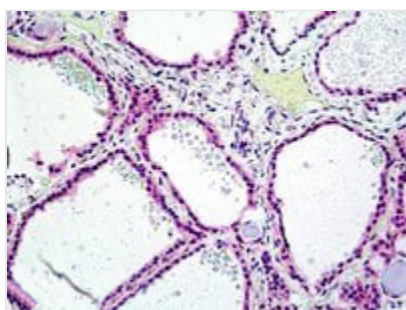
PRODUCT SYNONYMS

LYP/PTPN22; Goat anti-LYP/PTPN22 Antibody; PTPN22; LYP; Lyp1; Lyp2; protein tyrosine phosphatase; non-receptor type 22 (lymphoid); protein tyrosine phosphatase homolog; lymphoid-specific protein tyrosine phosphatase; anti-PTPN22 antibody

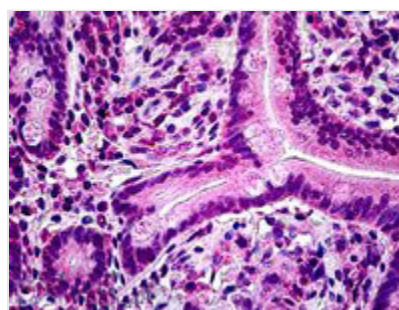
PRODUCT SPECIFICATIONS

Reactivity	Human Expected from sequence similarity: Chimpanzee
Specificity	This antibody is specific for human LYP1 and will not cross-react with LYP2.
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Sequence Length	807
Applicable Applications for anti-PTPN22 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA (Peptide ELISA)
Peptide Sequence + C	CPPNKPAESVQSNNS
Epitope	Internal Region
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

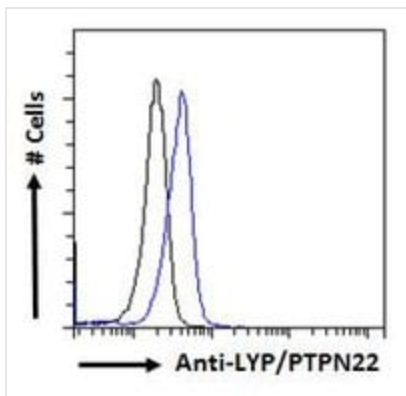
IMAGES



IHC (Immunohistochemistry)
3.75ug/ml) staining of paraffin embedded Human Thyroid. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

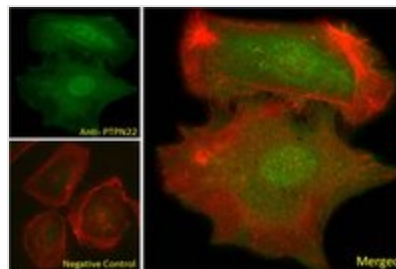


IHC (Immunohistochemistry)
3.75ug/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

NCBI AND UNIPROT INFORMATION

NCBI GI #	224586929
NCBI GeneID	26191
NCBI Accession #	NP_057051; NP_036543.4; NP_001180360.1; NP_001295226.1
NCBI GenBank Nucleotide #	NM_015967.6
UniProt Accession #	Q9Y2R2; O95063; O95064; Q6IPX8; Q8WVM1; A0N0K6; B1ALC8; D4NZ71; E9PLD8; E9PPI1
Molecular Weight	75,488 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 22 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 22
NCBI Official Symbol	PTPN22
NCBI Official Synonym Symbols	LYP; PEP; LYP1; LYP2; PTPN8; PTPN22.5; PTPN22.6
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 22
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 22
UniProt Gene Name	PTPN22
UniProt Synonym Gene Names	PTPN8; LyP; PEP

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.

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Online datasheet: <https://stage.aaabiotech.com/chimpanzee-human-antibody/lyp-ptpn22/61801>