

Rabbit CD135 / FLT3 Polyclonal Antibody | anti-CD135 antibody

Rabbit Polyclonal to Human CD135 / FLT3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51090	Rabbit	Tested Species Reactivity: Human Predicted Reactivity: Monkey	Immunohistochemistry

PRODUCT SYNONYMS

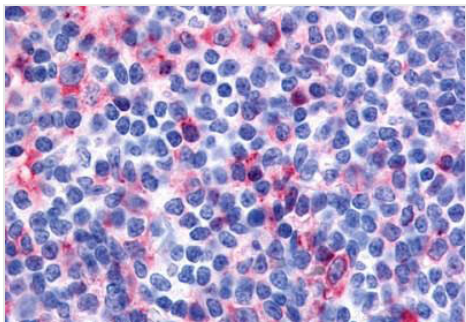
CD135 / FLT3; Polyclonal Antibody; Rabbit Polyclonal to Human CD135 / FLT3; Anti-CD135 / FLT3 Antibody (N-Terminus) IHC-plus; FLT3; CD135; CD135 antigen; Fetal liver kinase 2; Fetal liver kinase-2; FL cytokine receptor; FLK2; FLT-3; Fms-like tyrosine kinase 3; Stem cell tyrosine kinase 1; STK-1; FLK-2; Fms-related tyrosine kinase 3; STK1; Human CD135; anti-CD135 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Reactivity: Monkey
Clonality	Polyclonal
Specificity	Human FLT3 / CD135. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	993
Applicable Applications for anti-CD135 antibody	IHC (Immunohistochemistry)
Target	CD135 / FLT3
Immunogen Description	Synthetic 20 amino acid peptide from near N-terminus of human FLT3 / CD135. Percent identity with other species by BLAST analysis: Human (100%); Gorilla (95%); Monkey, Marmoset (90%); Gibbon (80%).
Immunogen Type	Synthetic peptide
Immunogen	CD135 / FLT3 antibody was raised against synthetic 20 amino acid peptide from near N-terminus of human FLT3 / CD135. Percent identity with other species by BLAST analysis: Human (100%); Gorilla (95%); Monkey, Marmoset (90%); Gibbon (80%).
Antigen Modification	N-Terminus
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-FLT3 / CD135 antibody IHC of human tonsil. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-CD135 antibody	FLT3, a PDGF Receptor -type protein kinase, promotes the differentiation and proliferation of hematopoietic cells by binding to hematopoietic growth factor. Mutations of the FLT3 gene have been implicated in acute myeloid leukemia.
Product Categories/Family for anti-CD135 antibody	Family: Protein Kinase; Subfamily: PDGF Receptor

NCBI AND UNIPROT INFORMATION

NCBI GI #	121114304
NCBI GeneID	2322
NCBI Accession #	NP_004110.2
NCBI GenBank Nucleotide #	NM_004119.2
UniProt Accession #	P36888; Q13414; A0AVG9; B7ZLT7; B7ZLT8; F5H0A0
NCBI Official Full Name	receptor-type tyrosine-protein kinase FLT3
NCBI Official Synonym Full Names	fms-related tyrosine kinase 3
NCBI Official Symbol	FLT3
NCBI Official Synonym Symbols	FLK2; STK1; CD135; FLK-2
NCBI Protein Information	receptor-type tyrosine-protein kinase FLT3; STK-1; CD135 antigen; FL cytokine receptor; fetal liver kinase 2; fms-like tyrosine kinase 3; stem cell tyrosine kinase 1; growth factor receptor tyrosine kinase type III
UniProt Protein Name	Receptor-type tyrosine-protein kinase FLT3
UniProt Gene Name	FLT3
UniProt Synonym Gene Names	CD135; FLK2; STK1; FLK-2; FLT-3; STK-1
UniProt Entry Name	FLT3_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd135-flt3-antibody-immunohistochemistry-elisa/51090>