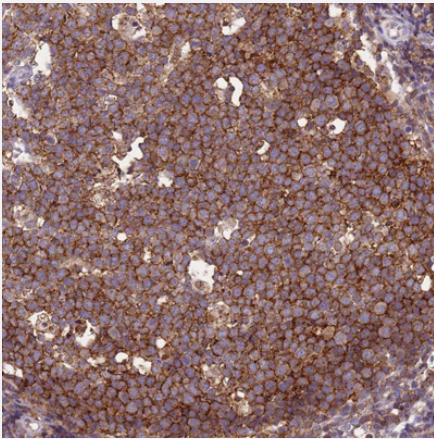


CD53 polyclonal antibody

Catalog # PAB30307 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with CD53 polyclonal antibody (Cat # PAB30307) shows strong cytoplasmic positivity in germinal center cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CD53.
Immunogen	Recombinant protein corresponding to amino acids 111-180 of human CD53.
Sequence	NEYVAKGLTDSIHRYHSDNSTKAAWDSIQSFLQCCGINGTSDWTSGPPASCPSPDRKVEGCYAKA RLWFHS
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50 - 1:200) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Gene Info — CD53

Entrez GeneID	963
Protein Accession#	P19397
Gene Name	CD53
Gene Alias	MOX44, TSPAN25
Gene Description	CD53 molecule
Omim ID	151525
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]
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Other Designations	CD53 antigen CD53 glycoprotein CD53 tetraspan antigen OTTHUMP00000013686 OTTHUMP0000059505 antigen MOX44 identified by monoclonal antibody MRC-OX44 cell surface antigen eukocyte surface antigen CD53 tetraspanin-25 transmembrane glycoprotein
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Disease

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