

CD7 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AD80239**Specification**

CD7 Antibody - Product info

Application	IHC
Primary Accession	P09564
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	25409

CD7 Antibody - Additional info

Gene Name	CD7
Other Names	
T-cell antigen CD7, GP40, T-cell leukemia antigen, T-cell surface antigen Leu-9, TP41, CD7, CD7	

Dilution
IHC~~Ready-to-use**Storage**
Maintain refrigerated at 2-8°C

Precautions	CD7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
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CD7 Antibody - Protein Information**Name** CD7

Function	Not yet known.
Cellular Location	Membrane; Single-pass type I membrane protein EMBL; X06180; CAA29546.1; -; mRNA EMBL; M37271; AAA51953.1; -; Genomic_DNA EMBL; BT006696; AAP35342.1; -; mRNA EMBL; BC009293; AAH09293.1; -; mRNA EMBL; BC013297; AAH13297.1; -; mRNA EMBL; D00749; BAA00646.1; -; Genomic_DNA CCDS; CCDS11807.1; - PIR; A39016; A39016 RefSeq; NP_006128.1; NM_006137.6 UniGene; Hs.36972; - ProteinModelPortal; P09564; - SMR; P09564; - BioGrid; 107362; 8 IntAct; P09564; 5 MINT; P09564; - STRING; 9606.ENSP00000312027; -

iPTMnet; P09564; - PhosphoSitePlus; P09564; - SwissPalm; P09564; - BioMuta; CD7; - DMDM; 116031; - jPOST; P09564; - PaxDb; P09564; - PeptideAtlas; P09564; - PRIDE; P09564; - ProteomicsDB; 52247; - DNASU; 924; - Ensembl; ENST00000312648; ENSP00000312027; ENSG00000173762 GeneID; 924; - KEGG; hsa:924; - CTD; 924; - DisGeNET; 924; - EuPathDB; HostDB:ENSG00000173762.7; - GeneCards; CD7; - HGNC; HGNC:1695; CD7 HPA; CAB002594; - HPA; HPA039079; - MIM; 186820; gene neXtProt; NX_P09564; - OpenTargets; ENSG00000173762; - PharmGKB; PA26234; - eggNOG; ENOG410IYNZ; Eukaryota eggNOG; ENOG41117EQ; LUCA GeneTree; ENSGT00390000013965; - HOGENOM; HOG000285979; - HOVERGEN; HBG005290; - InParanoid; P09564; - KO; K06457; - OMA; YEDMSHS; - OrthoDB; 1083212at2759; - PhylomeDB; P09564; - TreeFam; TF338565; - Signalink; P09564; - GeneWiki; CD7; - GenomeRNAi; 924; - PRO; PR:P09564; - Proteomes; UP000005640; Chromosome 17 Bgee; ENSG00000173762; Expressed in 114 organ(s), highest expression level in blood ExpressionAtlas; P09564; baseline and differential Genevisible; P09564; HS GO; GO:0016021; C:integral component of membrane; TAS:UniProtKB GO; GO:0016020; C:membrane; TAS:ProtInc GO; GO:0005886; C:plasma membrane; TAS:ProtInc GO; GO:0038023; F:signaling receptor activity; TAS:UniProtKB GO; GO:0002250; P:adaptive immune response; IEA:UniProtKB-KW GO; GO:0006955; P:immune response; TAS:UniProtKB GO; GO:0042110; P:T cell activation; TAS:UniProtKB GO; GO:0007169; P:transmembrane receptor protein tyrosine kinase signaling pathway; NAS:UniProtKB Gene3D; 2.60.40.10; -; 1 InterPro; IPR039090; CD7 InterPro; IPR007110; Ig-like_dom InterPro; IPR036179; Ig-like_dom_sf InterPro; IPR013783; Ig-like_fold InterPro; IPR003599; Ig_sub InterPro; IPR013106; Ig_V-set PANTHER; PTHR15343; PTHR15343; 1 Pfam; PF07686; V-set; 1 SMART; SM00409; IG; 1 SMART; SM00406; IGv; 1 SUPFAM; SSF48726; SSF48726; 1 PROSITE; PS50835; IG_LIKE; 1 1: Evidence at protein level; Adaptive immunity; Complete proteome; Disulfide bond; Glycoprotein; Immunity; Immunoglobulin domain; Lipoprotein; Membrane;

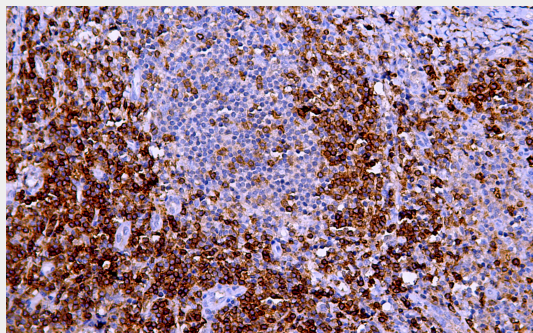
Palmitate; Polymorphism; Receptor;
Reference proteome; Repeat; Signal;
Transmembrane; Transmembrane helix
SIGNAL 1 25 CHAIN 26 240 T-cell antigen
CD7 /FTid=PRO_0000014633 TOPO_DOM 26
180 Extracellular TRANSMEM 181 201
Helical. TOPO_DOM 202 240 Cytoplasmic
DOMAIN 26 130 Ig-like REPEAT 145 153 1
REPEAT 154 162 2 REPEAT 163 171 3
REPEAT 172 180 4 REGION 145 180 4 X 9
AA tandem repeats, potential spacer
function LIPID 198 198 S-palmitoyl
cysteine CARBOHYD 45 45 N-linked
(GlcNAc...) asparagine CARBOHYD 96 96
N-linked (GlcNAc...) asparagine DISULFID
35 142 {ECO:0000255|PROSITE-ProRule:PR
U00114} DISULFID 48 114 {ECO:0000255|P
ROSITE-ProRule:PRU00114} VARIANT 113
113 T -> A (in dbSNP:rs34579511)
/FTid=VAR_049855 SEQUENCE 240 AA;
25409 MW; EBBCE08279552108 CRC64;
MAGPPRLLLL PLLLALARGL PGALAAQEVQ
QSPHCTTVPV GASVNITCST SGGLRGIYLR
QLGPQPQDII YYEDGVVPTT DRRFRGRIDF
SGSQDNLIT MHRLQLSDTG TYTCQAITEV
NVYGSGLTVL VTEEQSQGWH RCSDAPPRAS
ALPAPPTGSA LPDPQTASAL PDPPAASALP
AALAVISFLL GLGLGVACVL ARTQIKKLCS
WRDKNSAACV VYEDMSHSRC NTLSSPNQYQ

CD7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD7 Antibody - Images



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80239 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH 6.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.