

CD48 Polyclonal Antibody
Catalog # AP73430**Specification**

CD48 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P09326
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

CD48 Polyclonal Antibody - Additional Information**Gene ID** 962**Other Names**

CD48; BCM1; BLAST1; CD48 antigen; B-lymphocyte activation marker BLAST-1; BCM1 surface antigen; Leukocyte antigen MEM-102; TCT.1; CD48

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CD48 Polyclonal Antibody - Protein Information**Name** CD48**Synonyms** BCM1, BLAST1**Function**

Glycosylphosphatidylinositol (GPI)-anchored cell surface glycoprotein that interacts via its N-terminal immunoglobulin domain with cell surface receptors including CD244/2B4 or CD2 to regulate immune cell function and activation (PubMed:12007789, PubMed:19494291, PubMed:27249817, PubMed:9841922). Participates in T-cell signaling transduction by associating with CD2 and efficiently bringing the Src family protein kinase LCK and LAT to the TCR/CD3 complex (PubMed:19494291). In turn, promotes LCK phosphorylation and subsequent activation (PubMed:19494291).

<http://www.uniprot.org/citations/12007789> target="_blank">12007789). Induces the phosphorylation of the cytoplasmic immunoreceptor tyrosine switch motifs (ITSMs) of CD244 initiating a series of signaling events that leads to the generation of the immunological synapse and the directed release of cytolytic granules containing perforin and granzymes by T-lymphocytes and NK- cells (PubMed:27249817).

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor. Membrane raft. Secreted

Tissue Location

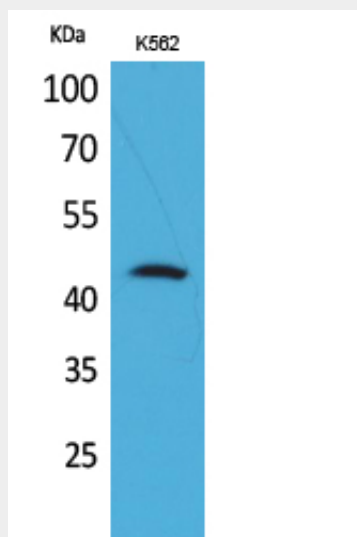
Widely expressed on all hematopoietic cells.

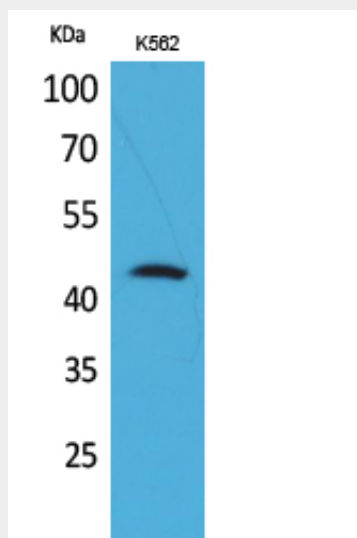
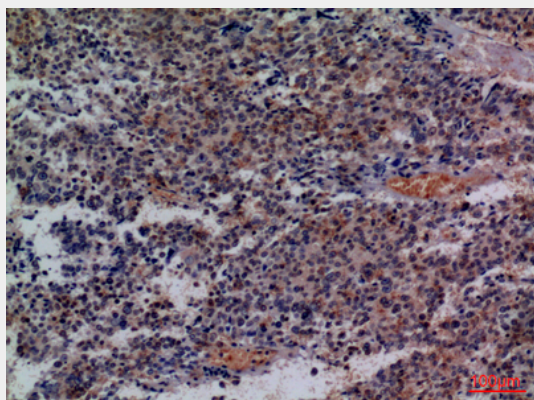
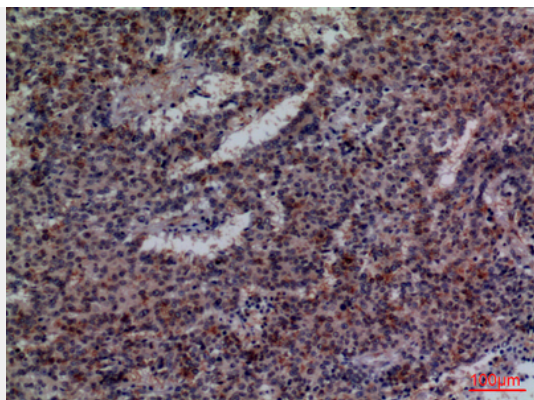
CD48 Polyclonal Antibody - Protocols

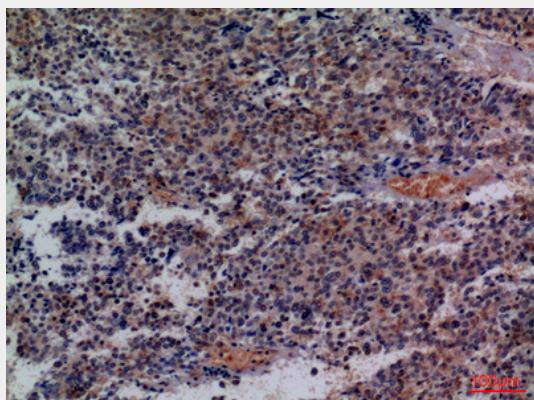
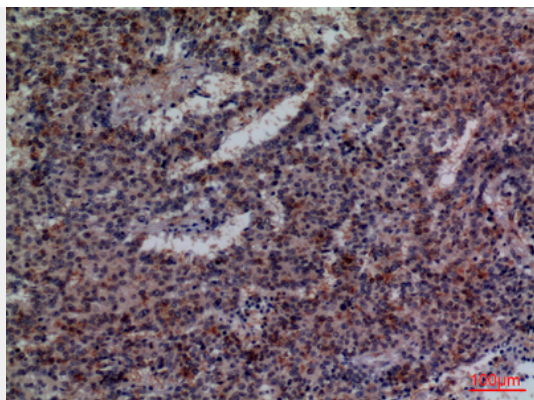
Provided below are standard protocols that you may find useful for product applications.

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

CD48 Polyclonal Antibody - Images







CD48 Polyclonal Antibody - Background

Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.