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Goat Anti-EAT2 phospho (Y127) Antibody

Peptide-affinity purified goat antibody
Catalog # AF1351a

Specification

Goat Anti-EAT2 phospho (Y127) Antibody - Product Information

Application	**WB, E**
Primary Accession	O14796
Other Accession	NP_444512, 117157
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**15297**

Goat Anti-EAT2 phospho (Y127) Antibody - Additional Information

Gene ID 117157

Other Names
SH2 domain-containing protein 1B, EWS/FLI1-activated transcript 2, EAT-2, SH2D1B, EAT2

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-EAT2 phospho (Y127) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-EAT2 phospho (Y127) Antibody - Protein Information

Name SH2D1B

Synonyms EAT2

Function
Cytoplasmic adapter regulating receptors of the signaling lymphocytic activation molecule (SLAM) family such as CD84, SLAMF1, LY9 and CD244 (PubMed:11689425). In SLAM signaling seems to cooperate with SH2D1A/SAP. Plays a role in regulation of effector functions of natural killer (NK) cells by controlling signal transduction through CD244/2B4 without effecting its

tyrosine phosphorylation; downstream signaling involves PLCG1 and ERK activation (PubMed:24687958). Activation of SLAMF7-mediated NK cell function does not effect receptor tyrosine phosphorylation but distal signaling (By similarity). In the context of NK cell-mediated cytotoxicity does not enhance conjugate formation with target cells but stimulates polarization of the microtubule-organizing center and cytotoxic granules toward the NK cell synapse (PubMed:24687958). Negatively regulates CD40-induced cytokine production in dendritic cells downstream of SLAM family receptors probably by inducing activation of the PI3K pathway to inhibit p38 MAPK and JNK activation (By similarity).

Goat Anti-EAT2 phospho (Y127) 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 Cytomety
- Cell Culture

Goat Anti-EAT2 phospho (Y127) Antibody - Images

Goat Anti-EAT2 phospho (Y127) Antibody - Background

By binding phosphotyrosines through its free SRC (MIM 190090) homology-2 (SH2) domain, EAT2 regulates signal transduction through receptors expressed on the surface of antigen-presenting cells (Morra et al., 2001 [PubMed 11689425]).

Goat Anti-EAT2 phospho (Y127) Antibody - References

Molecular analysis of NTB-A signaling: a role for EAT-2 in NTB-A-mediated activation of human NK cells. Eissmann P, et al. J Immunol, 2006 Sep 1. PMID 16920955.
The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414.
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The SLAM family of immune-cell receptors. Veillette A, et al. Curr Opin Immunol, 2003 Jun. PMID 12787752.