

For Research Use Only

BCMA/TNFRSF17 Polyclonal antibody

Catalog Number: 27724-1-AP

4 Publications



Basic Information

Catalog Number:

27724-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27049

GenBank Accession Number:

BC058291

GeneID (NCBI):

608

UNIPROT ID:

Q02223

Full Name:

tumor necrosis factor receptor superfamily, member 17

Calculated MW:

184 aa, 20 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: Daudi cells, Raji cells, Ramos cells

IHC: human breast cancer tissue, human tonsillitis tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

BCMA (B cell maturation antigen), also known as TNFRSF17, is 20.2-kDa type III transmembrane glycoprotein and is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes and plasma cells, which may be important for B cell development and autoimmune response (PMID: 32943087; 9846698). BCMA has two agonist ligands: a proliferation-inducing ligand (APRIL) and BAFF. When BCMA binds to APRIL, it transmits signals of cell survival and proliferation (PMID: 27127303); when BCMA binds to BAFF, it mediates the activation of NF-kappaB and MAPK8/JNK (PMID: 36140254). It has been found that the overexpression and activation of BCMA are associated with multiple myeloma (MM) in preclinical models and humans, supporting its potential utility as a therapeutic target for MM (PMID: 32055000; 32943087).

Notable Publications

Author	Pubmed ID	Journal	Application
Yu Rebecca Miao	35881112	J Exp Med	WB
Jie Ma	39259226	Eur J Nucl Med Mol Imaging	WB, IHC
Lele Song	39167092	J Med Chem	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

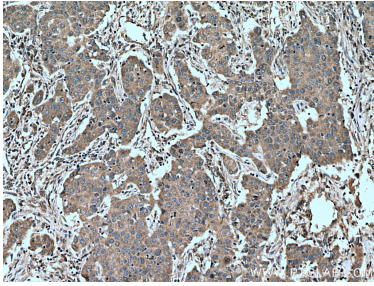
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

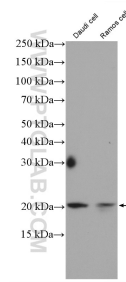
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27724-1-AP (TNFRSF17 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Daudi and Ramos cells were subjected to SDS PAGE followed by western blot with 27724-1-AP (TNFRSF17 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.