

BIN2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5779a**Specification**

BIN2 Antibody (N-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	O9UBW5
Other Accession	NP_057377.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	61874
Antigen Region	14-42

BIN2 Antibody (N-term) - Additional Information**Gene ID** 51411**Other Names**

Bridging integrator 2, Breast cancer-associated protein 1, BIN2, BRAP1

Target/Specificity

This BIN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-42 amino acids from the N-terminal region of human BIN2.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

BIN2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BIN2 Antibody (N-term) - Protein Information**Name** BIN2

Synonyms BRAP1

Function Promotes cell motility and migration, probably via its interaction with the cell membrane and with podosome proteins that mediate interaction with the cytoskeleton. Modulates membrane curvature and mediates membrane tubulation. Plays a role in podosome formation. Inhibits phagocytosis.

Cellular Location

Cytoplasm. Cell projection, podosome membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cell cortex. Cell projection, phagocytic cup. Note=Associates with membranes enriched in phosphoinositides. Detected in the actin-rich cell cortex at the leading edge of migrating cells. Detected at podosomes, at an actin- rich ring-like structure.

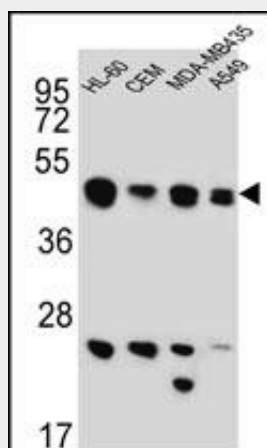
Tissue Location

Detected in natural killer cells (at protein level). Highest level expression seen in spleen and peripheral blood leukocytes and is also expressed at high levels in thymus, colon and placenta, suggesting preferential expression in hematopoietic tissues

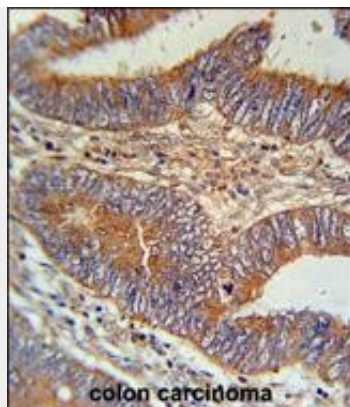
BIN2 Antibody (N-term) - Protocols

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

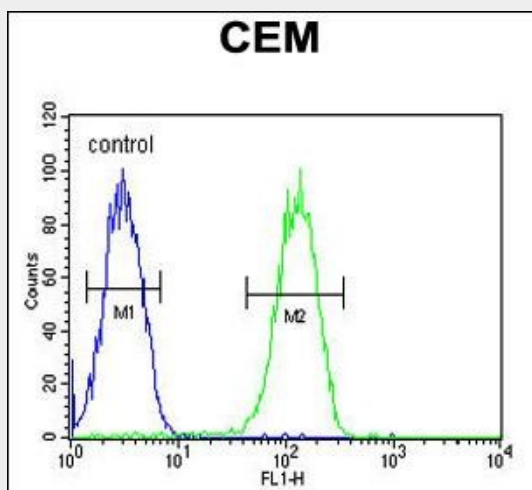
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BIN2 Antibody (N-term) - Images

BIN2 Antibody (N-term) (Cat. #AP5779a) western blot analysis in HL-60,CEM,MDA-MB435,A549 cell line lysates (15ug/lane).This demonstrates the BIN2 antibody detected the BIN2 protein (arrow).



BIN2 Antibody (N-term) (Cat. #AP5779a) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the BIN2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



BIN2 Antibody (N-term) (Cat. #AP5779a) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

BIN2 Antibody (N-term) - References

Scherer, S.E., et al. Nature 440(7082):346-351(2006)
Ge, K., et al. Genomics 67(2):210-220(2000)