

BAI1 Rabbit pAb

CatalogNo: YT0445

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 174kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:10000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human BAI1. AA range:691-740

Specificity BAI-1 Polyclonal Antibody detects endogenous levels of BAI-1 protein.

Target Information

Gene name BAI1

Protein Name Brain-specific angiogenesis inhibitor 1

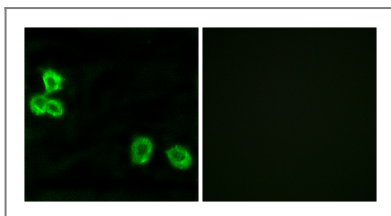
Organism	Gene ID	UniProt ID
Human	575 ;	O14514 ;
Mouse	107831 ;	Q3UHD1 ;

Cellular Localization Cell membrane ; Multi-pass membrane protein . Cell projection, phagocytic cup . Cell junction, focal adhesion . Cell projection, dendritic spine . Cell junction, synapse, postsynaptic density . ; [Vasculostatin-120]: Secreted . ; [Vasculostatin-40]: Secreted .

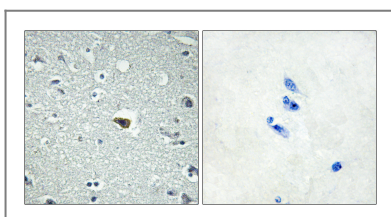
Tissue specificity Expressed in brain (at protein level) (PubMed:12074842, PubMed:12507886). Expressed on mononuclear phagocytes and monocyte-derived macrophages in the gastric mucosa (at protein level) (PubMed:24509909). Expressed in normal pancreatic tissue but not in pancreatic tumor tissue (PubMed:11875720). Reduced or no expression is observed in some glioblastomas (PubMed:12507886).

Function Domain:The TSP1 repeats inhibit in vivo angiogenesis in rat cornea induced by BFGF.,Function:Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Likely to be a potent inhibitor of angiogenesis in brain and may play a significant role as a mediator of the p53 signal in suppression of glioblastoma. May function in cell adhesion and signal transduction in the brain.,induction:By p53.,similarity:Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily.,similarity:Contains 1 GPS domain.,similarity:Contains 5 TSP type-1 domains.,subcellular location:Likely to be concentrated at cell-cell adhesion sites.,subunit:Interacts with ELMO1 and DOCK1. When bound to ELMO1 and DOCK1, it may act as a module to promote the engulfment (By similarity). Interacts with MAGI1, MAGI3, BAIAP2 and PHYHIP.,tissue specificity:Specifically expressed in brain. Reduced or no expression is observed in some glioblastoma cell lines and cancer tissues. No expression in astrocytes.,

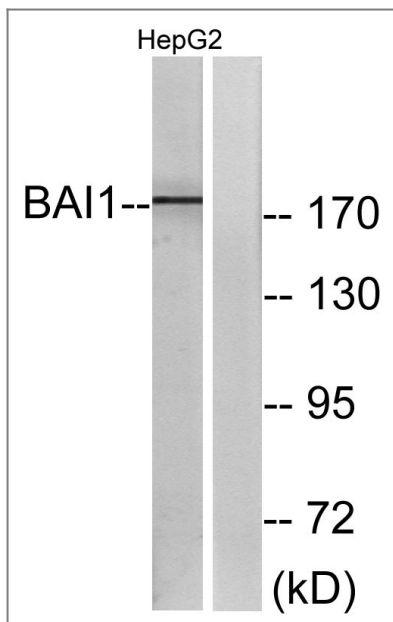
Validation Data



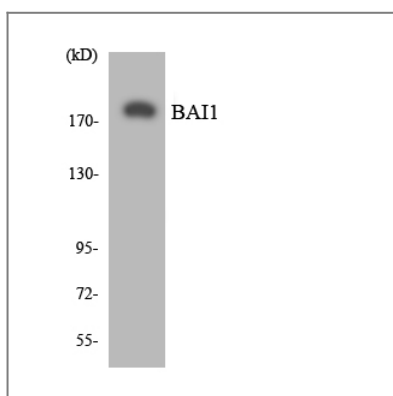
Immunofluorescence analysis of MCF7 cells, using BAI1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using BAI1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using BAI1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using BAI1 antibody.

Contact information

Orders: order.cn@immunoway.com
 Support: support.cn@immunoway.com
 Telephone: 400-8787-807(China)
 Website: <http://www.immunoway.com.cn>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
BAI1 Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

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