

Product datasheet

Anti-BAI1 antibody ab135907

★★★★★ [2 Abreviews](#) [6 References](#) [2 Images](#)

Overview

Product name	Anti-BAI1 antibody
Description	Rabbit polyclonal to BAI1
Host species	Rabbit
Tested applications	Suitable for: IHC-Fr, WB, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to Human BAI1 aa 683-732 (internal sequence).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 50% Glycerol, 49.1% PBS, 0.88% Sodium chloride</p>
Purity	PBS without Mg2+ or Ca2+
Purification notes	Immunogen affinity purified
Clonality	The antibody was affinity-purified from rabbit anti-serum by immunogenic peptide affinity-chromatography.
Isotype	Polyclonal
	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab135907 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration. PubMed: 24509909
WB	★★★★★ (1)	1/500 - 1/1000. Predicted molecular weight: 174 kDa.
IHC-P	★★★★★ (1)	1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

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.

Tissue specificity

Specifically expressed in brain. Reduced or no expression is observed in some glioblastoma cell lines and cancer tissues. No expression in astrocytes.

Sequence similarities

Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily.
Contains 1 GPS domain.
Contains 5 TSP type-1 domains.

Domain

The TSP1 repeats inhibit in vivo angiogenesis in rat cornea induced by BFGF.

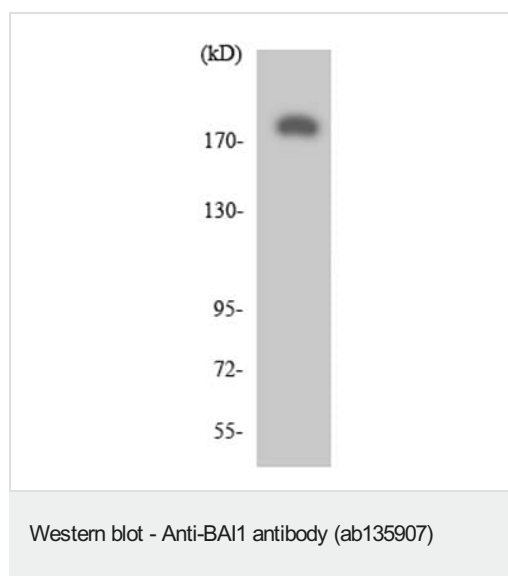
Post-translational modifications

The endogenous protein is proteolytically cleaved into 2 subunits, an extracellular subunit and a seven-transmembrane subunit.

Cellular localization

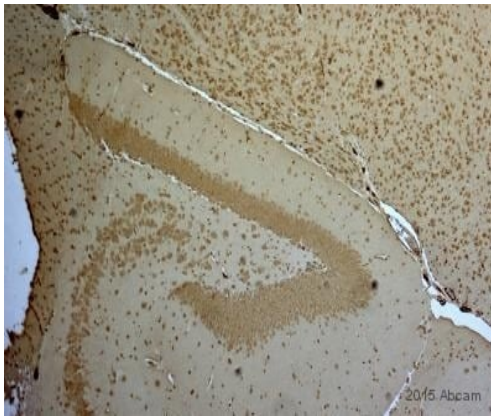
Cell membrane. Likely to be concentrated at cell-cell adhesion sites.

Images



Anti-BAI1 antibody (ab135907) at 1/500 dilution + Huvec cell lysate at 30 µg

Predicted band size: 174 kDa



Immunohistochemical analysis of paraformaldehyde-fixed, 0.3% Triton X-100 permeabilized paraffin-embedded mouse hippocampus tissue labeling BAI1 with ab135907 at 1/50 dilution, followed by Goat Anti-Rabbit IgG (HRP) at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAI1 antibody (ab135907)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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