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BAI2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58671

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O60241
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	172656
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BAI2
Epitope Specificity	701-800/1585
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell Membrane
SIMILARITY	Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Contains 1 GPS domain. Contains 4 TSP type-1 domains.
SUBUNIT	Interacts with GABPB2 (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	BAI1, a p53-target gene, encodes brain-specific angiogenesis inhibitor, a seven-span transmembrane protein and is thought to be a member of the secretin receptor family. Brain-specific angiogenesis proteins BAI2 and BAI3 are similar to BAI1 in structure, have similar tissue specificities and may also play a role in angiogenesis.

Additional Information

Gene ID	576
Other Names	Adhesion G protein-coupled receptor B2, Brain-specific angiogenesis inhibitor 2, ADGRB2 (HGNC:944), BAI2
Target/Specificity	Strongly expressed in brain. Also detected in heart, thymus, skeletal muscle, and different cell lines.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ADGRB2 (HGNC:944)
Synonyms	BAI2
Function	Orphan G-protein coupled receptor involved in cell adhesion and probably in cell-cell interactions. Activates NFAT-signaling pathway, a transcription factor, via the G-protein GNAZ (PubMed:20367554, PubMed:28891236). Involved in angiogenesis inhibition (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein. Secreted
Tissue Location	Detected in cerebrospinal fluid (at protein level) (PubMed:25326458). Strongly expressed in brain. Also detected in heart, thymus, skeletal muscle, and different cell lines