

Rabbit EPAC2 Polyclonal Antibody | anti-RAPGEF4 antibody

EPAC2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39719	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

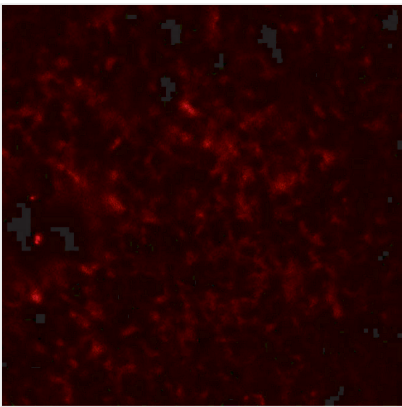
PRODUCT SYNONYMS

EPAC2; Polyclonal Antibody; EPAC2 Antibody; 2; EPAC; CGEF2; EPAC 2; Nbla00496; CAMP-GEFII; Rap guanine nucleotide exchange factor 4; Exchange factor directly activated by cAMP 2; Rap guanine nucleotide exchange factor (GEF) 4; anti-RAPGEF4 antibody

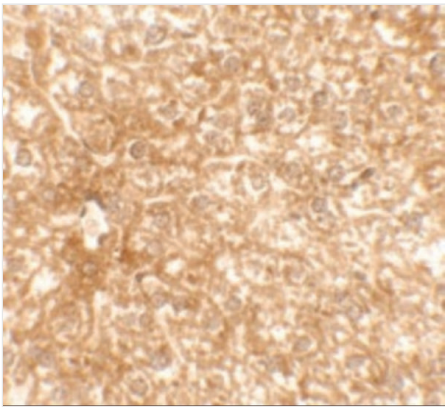
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of EPAC2 are known to exist; this antibody will detect only the larger isoform. EPAC2 antibody is predicted to not cross-react with EPAC2
Purity/Purification	EPAC2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1011
Applicable Applications for anti-RAPGEF4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	EPAC2 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human EPAC2.
Buffer	EPAC2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	EPAC2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

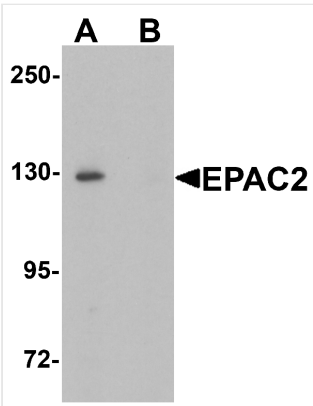
IMAGES



IF (Immunofluorescence)
Immunofluorescence of EPAC2 in mouse liver tissue with EPAC2 antibody at 20 μ g/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of EPAC3 in mouse liver tissue with EPAC3 antibody at 2.5 μ g/mL.



WB (Western Blot)
Western blot analysis of EPAC2 in rat liver tissue lysate with EPAC2 antibody at 1 μ g/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RAPGEF4 antibody	EPAC2 Antibody: EPAC2, also known as Rap guanine nuclear exchange factor 4 and CAMPGEF-II, is belongs to a family of cyclic adenosine monophosphate (cAMP) binding proteins with guanine nucleotide exchange factor. Like the related protein EPAC1, EPAC2 signaling plays a role in numerous cellular processes such as integrin-mediated cell adhesion, muscle contraction, learning and memory, cell proliferation, and inflammation. Recent evidence suggests that EPAC2 induces synapse remodeling and depression, with mutations in its gene being found in patients with autism.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	155030204
NCBI GeneID	11069
NCBI Accession #	NP_008954
NCBI GenBank Nucleotide #	NM_007023.3
UniProt Accession #	Q8WZA2; O95636; Q8IXK6; Q8TAA4; B2R7R3; B7Z283; B7Z3T6; B7Z912
Molecular Weight	96,269 Da
NCBI Official Full Name	rap guanine nucleotide exchange factor 4 isoform a
NCBI Official Synonym Full Names	Rap guanine nucleotide exchange factor (GEF) 4

NCBI Official Symbol	RAPGEF4
NCBI Official Synonym Symbols	2; EPAC; CGEF2; EPAC2; EPAC 2; Nbla00496; CAMP-GEFII
NCBI Protein Information	rap guanine nucleotide exchange factor 4; putative protein product of Nbla00496; exchange factor directly activated by cAMP 2; exchange protein directly activated by cAMP 2; RAP guanine-nucleotide-exchange factor (GEF) 4; cAMP-regulated guanine nucleotide exchange factor II
UniProt Protein Name	Rap guanine nucleotide exchange factor 4
UniProt Gene Name	RAPGEF4
UniProt Synonym Gene Names	CGEF2; EPAC2; EPAC 2; cAMP-GEFII
UniProt Entry Name	RPGF4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/epac2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39719>