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RAPGEF4 / EPAC2 Antibody (N-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS15880

Specification

RAPGEF4 / EPAC2 Antibody (N-Terminus) - Product Information

Application	**IHC, IF, WB**
Primary Accession	Q8WZA2
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**116kDa KDa**

RAPGEF4 / EPAC2 Antibody (N-Terminus) - Additional Information

Gene ID 11069

Other Names
Rap guanine nucleotide exchange factor 4, Exchange factor directly activated by cAMP 2, Exchange protein directly activated by cAMP 2, EPAC 2, cAMP-regulated guanine nucleotide exchange factor II, cAMP-GEFII, RAPGEF4, CGEF2, EPAC2

Target/Specificity
Human RAPGEF4 / EPAC2. At least two isoforms of EPAC2 are known to exist; this antibody will detect only the larger isoform.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
RAPGEF4 / EPAC2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

RAPGEF4 / EPAC2 Antibody (N-Terminus) - Protein Information

Name RAPGEF4

Synonyms CGEF2, EPAC2

Function
Guanine nucleotide exchange factor (GEF) for RAP1A, RAP1B and RAP2A small GTPases that is activated by binding cAMP. Seems not to activate RAB3A. Involved in cAMP-dependent, PKA-independent exocytosis through interaction with RIMS2 (By similarity).

Cellular Location
Cytoplasm. Membrane; Peripheral membrane protein

Tissue Location

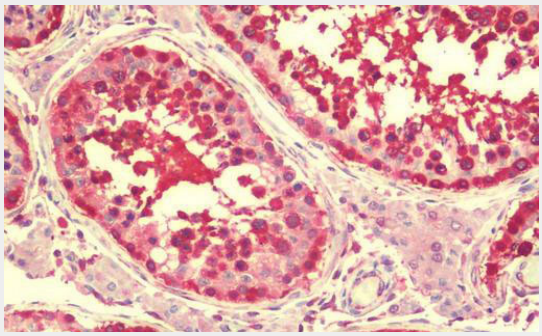
Predominantly expressed in brain and adrenal gland. Isoform 2 is expressed in liver. Isoform 1 is expressed in liver at very low levels

RAPGEF4 / EPAC2 Antibody (N-Terminus) - Protocols

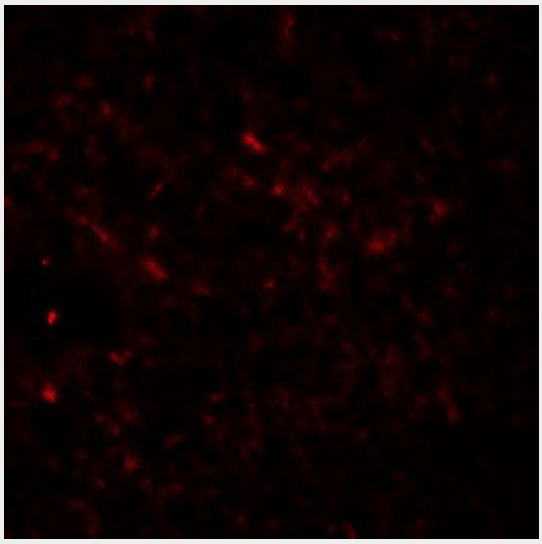
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RAPGEF4 / EPAC2 Antibody (N-Terminus) - Images

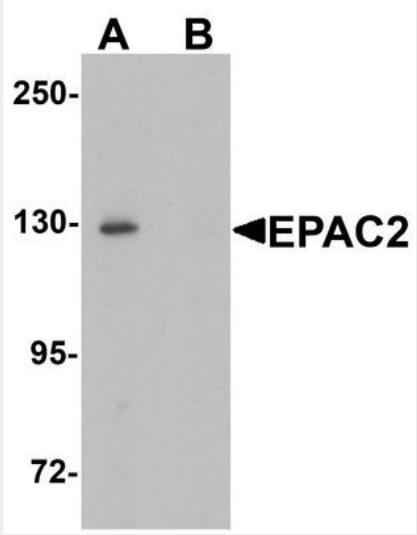


Anti-RAPGEF4 / EPAC2 antibody IHC staining of human testis.



Immunofluorescence of EPAC2 in mouse liver tissue with EPAC2 antibody at 20 µg/mL.

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Western blot analysis of EPAC2 in rat liver tissue lysate with EPAC2 antibody at 1 ug/ml in (A)...

RAPGEF4 / EPAC2 Antibody (N-Terminus) - Background

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RAPGEF4 / EPAC2 Antibody (N-Terminus) - References

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