

**(** Tel: 400-999-8863 ■ Email:Upingbio.163.com





## **BIG2** Polyclonal Antibody

Isotype Ige Reactivity Hu Applications W Gene Name AF Protein Name Br Immunogen Th AF Specificity BI Formulation Lie Source Po Purification Th aff	uman;Mouse;Rat /B;IHC;IF;ELISA RFGEF2 refeldin A-inhibited guanine nucleotide-exchange protein 2
Reactivity  Applications  W  Gene Name  AF  Protein Name  Immunogen  The AF  Specificity  BI  Formulation  Lice  Source  Purification  The aff  Dilution	uman;Mouse;Rat /B;IHC;IF;ELISA RFGEF2 refeldin A-inhibited guanine nucleotide-exchange protein 2
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Gene Name  Protein Name  Immunogen  The AF Specificity  BI Formulation  Lice Source  Purification  The aff Dilution	RFGEF2 refeldin A-inhibited guanine nucleotide-exchange protein 2
Protein Name  Immunogen  The AF Specificity  BI Formulation  Lice Source  Purification  The aff Dilution	refeldin A-inhibited guanine nucleotide-exchange protein 2
Immunogen  The AF  Specificity  BI  Formulation  Lice  Source  Purification  The aff  Dilution  W	
Specificity  BI  Formulation  Lic  Source  Purification  The aff  Dilution  W	
Formulation Lice Source Portification The affection W	he antiserum was produced against synthesized peptide derived from human RFGEF2. AA range:1491-1540
Source Portion The aff	IG2 Polyclonal Antibody detects endogenous levels of BIG2 protein.
Purification The aff	iquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
aff Dilution W	olyclonal, Rabbit,IgG
<b>Dilution</b> W	he antibody was affinity-purified from rabbit antiserum by ffinity-chromatography using epitope-specific immunogen.
ap	/estern Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. nmunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other pplications.
Concentration 1	mg/ml
Purity ≥9	90%
Storage Stability -2	20°C/1 year
pr	RFGEF2; ARFGEP2; BIG2; Brefeldin A-inhibited guanine nucleotide-exchange rotein 2; Brefeldin A-inhibited GEP 2; ADP-ribosylation factor guanine ucleotide-exchange factor 2
Observed Band 21	10kD
aṗ mi ve cy	ytoplasm. Membrane. Golgi apparatus. Cytoplasm, perinuclear region. Golgi oparatus, trans-Golgi network. Endosome. Cytoplasm, cytoskeleton, licrotubule organizing center, centrosome. Cell projection, dendrite. Cytoplasmic esicle. Cell junction, synapse. Cytoplasm, cytoskeleton. Translocates from ytoplasm to membranes upon cAMP treatment. Localized in recycling ndosomes.
Tissue Specificity Ex	xpressed in placenta, lung, heart, brain, kidney and pancreas.
pe pe au	sease:Defects in ARFGEF2 are the cause of autosomal recessive eriventricular nodular heterotopia type 2 (PVNH2) [MIM:608097]; also called eriventricular heterotopia with microcephaly autosomal recessive. PVNH2 is an utosomal recessive form characterized by microcephaly (small brain), severe evelopmental delay and recurrent infections. No anomalies extrinsic to the



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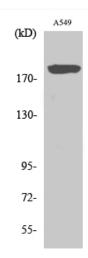


regulation:Inhibited by brefeldin A.,function:Promotes guanine-nucleotide exchange on ARF1, ARF5 and ARF6. Promotes the activation of ARF1/ARF5/ARF6 through replacement of GDP with GTP.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 SEC7 domain.,tissue specificity:Expressed in placenta, lung, heart, brain, kidney and pancreas.,
ADP-ribosylation factors (ARFs) play an important role in intracellular vesicular trafficking. The protein encoded by this gene is involved in the activation of ARFs by accelerating replacement of bound GDP with GTP and is involved in Golgi transport. It contains a Sec7 domain, which may be responsible for its guanine-nucleotide exchange activity and also brefeldin A inhibition. [provided by RefSeq, Jul 2008],
Avoid repeated freezing and thawing!
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

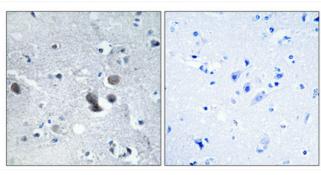




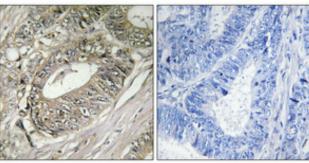
## **Products Images**



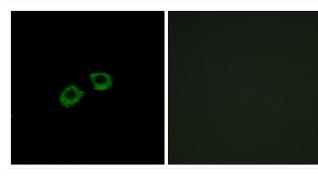
Western Blot analysis of various cells using BIG2 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemical analysis of paraffin-embedded Human colon cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



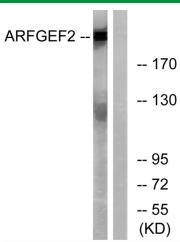
Immunofluorescence analysis of A549 cells, using ARFGEF2 Antibody. The picture on the right is blocked with the synthesized peptide.



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Western blot analysis of lysates from A549 cells, using ARFGEF2 Antibody. The lane on the right is blocked with the synthesized peptide.