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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP55425_P050-HRP
Product Page	www.avivasysbio.com/gnao1-antibody-middle-region-hrp-arp55425-p050-hrp.html
Name	GNAO1 Antibody - middle region : HRP (ARP55425_P050-HRP)
Protein Size (# AA)	354 amino acids
Molecular Weight	40kDa
Subunit	alpha
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	2775
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O
Alias Symbols	GNAO, DEE17, NEDIM, EIEE17, HLA-DQB1, G-ALPHA-o
Peptide Sequence	Synthetic peptide located within the following region: CDVVSRMEDTEPFSAELLSAMMRLWGDSGQECFNRSREYQLNDSAKYYL
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Won, J.H., (2008) Cell. Signal. 20 (5), 884-891
Description of Target	Activated G α interacted directly with PLZF, and enhanced its function as a transcriptional and cell growth suppressor. G α might play a role in mediating extracellular signal-regulated kinase activation by G protein-coupled receptors in the brain.
Protein Interactions	UBC; ADRA2A; BAG3; Htt; RGS9; GABBR1; Haus4; RGS1; RIC8A; DCTN2; KLHL3; SCN8A; PDE6G; CRHR1; GPSM2; HRH4; NGB; S1PR5; RGS19; GRM6; FFAR2; TSHR; RGS5; RGS10; RGS7; RGS4; RGS16; RGS14; PTPRU; CCR5; NUCB1; PDE6H; CACNA1B; OPRM1; OPRD1; GNAO1; GNAI1; ADRA2C;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-GNAO1 (ARP55425_P050-HRP) antibody
Blocking Peptide	For anti-GNAO1 (ARP55425_P050-HRP) antibody is Catalog# AAP55425 (Previous Catalog# AAPP33317)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GNAO1
Uniprot ID	B3KP89
Protein Name	cDNA FLJ31446 fis, clone NT2NE2000909, highly similar to Guanine nucleotide-binding protein G(o) subunit alpha 1 EMBL BAG51601.1
Sample Type Confirmation	There is BioGPS gene expression data showing that GNAO1 is expressed in 721_B
Protein Accession #	NP_620073
Purification	Affinity Purified
Nucleotide Accession #	NM_138736
Gene Symbol	GNAO1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Yeast, Zebrafish

Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Yeast: 100%; Zebrafish: 93%
Image 1	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The two heavy chains are connected to each other and to the two light chains, forming a Y-shape with two antigen-binding arms.

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Optimal conditions of its use should be determined by end users.

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