



Rabbit Anti-GNAO1 antibody

SL6962R

Product Name:	GNAO1
Chinese Name:	G protein-coupled receptorBinding proteinO亚基A2抗体
Alias:	G0 Protein alpha; DKFZp686O0962; G alpha o; G protein alpha 0; Galphao; GNAO 1; GNAO; GNAO_HUMAN; GNAO1; Go alpha; Guanine nucleotide binding protein (G protein) alpha activating activity polypeptide O; Guanine nucleotide binding protein alpha activating polypeptide; Guanine nucleotide binding protein G(o) subunit alpha; Guanine nucleotide-binding protein G(o) subunit alpha; G-ALPHA-o.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GNAO1:221-320/345
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(o) protein function is not clear. Stimulated by RGS14.

Function:

Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(o) protein function is not clear. Stimulated by RGS14.

Subunit:

Interacts with RGS14 (By similarity). G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site.

Similarity:

Belongs to the G-alpha family. G(i/o/t/z) subfamily.

SWISS:

P09471

Gene ID:

2775

Database links:

[Entrez Gene: 2775](#)Human

[Entrez Gene: 14681](#)Mouse

[Entrez Gene: 50664](#)Rat

[Omim: 139311](#)Human

[SwissProt: P09471](#)Human

[SwissProt: P18872](#)Mouse

[SwissProt: P59215](#)Rat

[Unigene: 644524](#)Human

[Unigene: 251445](#)Mouse

[Unigene: 90161](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.