

Datasheet for ABIN564658
anti-GNB5 antibody (AA 1-90)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	GNB5
Binding Specificity:	AA 1-90
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GNB5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant GNB5.
Immunogen:	GNB5 (NP_057278, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MCDQTFVLNV FGSCDKCFKQ RALRPVFKKS QQLSYCSTCA EIMATEGLHE NETLASLKSE AESLK GKLEE ERAKLHDVEL HQVAERVEAL
Clone:	3A3
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	GNB5
Alternative Name:	GNB5 (GNB5 Products)
Background:	Full Gene Name: guanine nucleotide binding protein (G protein), beta 5 Synonyms: FLJ37457,FLJ43714,GB5
Gene ID:	10681
NCBI Accession:	NM_016194
Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , Thromboxane A2 Receptor Signaling

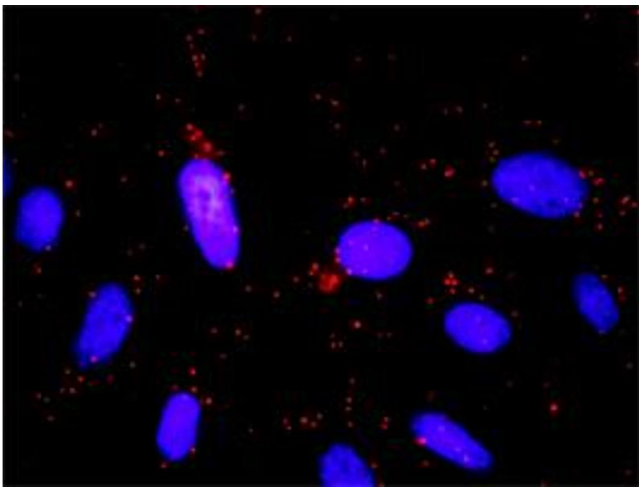
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

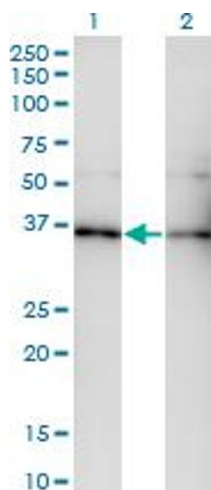
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Images



Proximity Ligation Assay

Image 1. Proximity Ligation Analysis of protein-protein interactions between GNG7 and GNB5. HeLa cells were stained with anti-GNG7 rabbit purified polyclonal 1:1200 and anti-GNB5 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

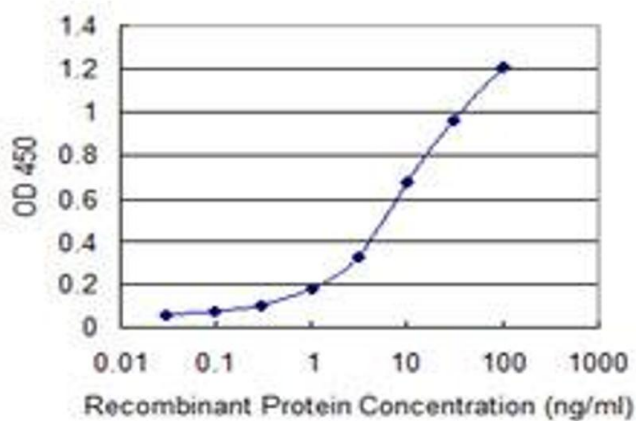


Western Blotting

Image 2. Western Blot analysis of GNB5 expression in transfected 293T cell line by GNB5 monoclonal antibody (M01), clone 3A3.

Lane 1: GNB5 transfected lysate(38.8 KDa).

Lane 2: Non-transfected lysate.



ELISA

Image 3. Detection limit for recombinant GST tagged GNB5 is 0.1 ng/ml as a capture antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN564658.