

GPR56 (PN0145) Nb-FC recombinant antibody

CatalogNo: YA0439 **Recombinant** 

Key Features

Reactivity

- Human

Isotype

- IgG2a, kappa

Applications

- ELISA, FC

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)**Formulation** Phosphate-buffered solution

Recommended Dilution Ratios

ELISA 1:5000-100000

Basic Information

Source Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell**Purification** Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell**Clone Number** PN0145

Immunogen Information

Immunogen Purified recombinant Human GPR56**Specificity** This recombinant monoclonal antibody can detects endogenous levels of GPR56 protein.

Target Information

Gene name ADGRG1 GPR56 TM7LN4 TM7XN1 UNQ540/PRO1083

Protein Name Adhesion G-protein coupled receptor G1 (G-protein coupled receptor 56) (Protein TM7XN1) [Cleaved into: ADGRG1 N-terminal fragment (ADGRG1 NT) (GPR56 N-terminal fragment) (GPR56 NT) (GPR56(N)) (GPR56 extracellular subunit) (GPR56 subunit alpha); ADGRG1 C-terminal fragment (ADGRG1 CT) (GPR56 C-terminal fragment) (GPR56 CT) (GPR56(C)) (GPR56 seven-transmembrane subunit) (GPR56 7TM) (GPR56 subunit beta)]

Organism	Gene ID	UniProt ID
Human	9289 ;	Q9Y653 ;

Cellular Localization Cell membrane ; Multi-pass membrane protein .; [ADGRG1 N-terminal fragment]: Secreted .; [ADGRG1 C-terminal fragment]: Membrane raft . Interaction with its ligand COL3A1 leads to the release of ADGRG1 NT from the membrane and triggers the association of ADGRG1 CT with lipid rafts. .

Tissue specificity Detected in platelets (at protein level). Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages.

Function Disease:Defects in GPR56 are the cause of bilateral frontoparietal polymicrogyria (BFPP) [MIM:606854]. BFPP is characterized by disorganized cortical lamination that is most severe in frontal cortex.,Could be involved in cell-cell interactions.,similarity:Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily.,similarity:Contains 1 GPS domain.,tissue specificity:Widely distributed with highest levels found in thyroid gland, brain and heart. Expressed in a great number of tumor cells.,

Validation Data

Contact information

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