

Anti-GFRA4 Reference Antibody (U.Penn. patent anti-GFRA4)

Catalog # APR11392

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P56159
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	51456

Additional Information

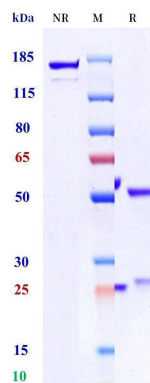
Target/Specificity	GFRA4
Expression system	CHO

Protein Information

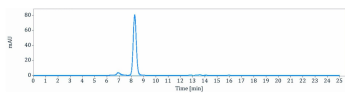
Name	GFRA1
Synonyms	GDNFRA, RETL1, TRNR1
Function	Coreceptor for GDNF, a neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake (PubMed: 10829012 , PubMed: 31535977). GDNF-binding leads to autophosphorylation and activation of the RET receptor (PubMed: 31535977).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q62997}; Lipid-anchor, GPI-anchor {ECO:0000250 UniProtKB:Q62997}. Golgi apparatus, trans-Golgi network {ECO:0000250 UniProtKB:Q62997}. Endosome {ECO:0000250 UniProtKB:Q62997}. Endosome, multivesicular body {ECO:0000250 UniProtKB:Q62997}. Note=Localizes mainly to the plasma membrane. In the presence of SORL1, shifts to vesicular structures, including trans-Golgi network, endosomes and multivesicular bodies {ECO:0000250 UniProtKB:Q62997}

Images

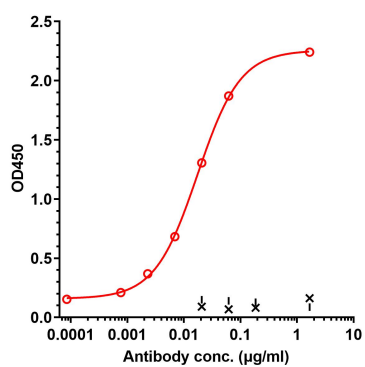
Anti-GFRA4 Reference Antibody (U.Penn. patent anti-GFRA4) on SDS-PAGE under reducing (R) condition.



The purity of the protein is greater than 95%.



The purity of Anti-GFRA4 Reference Antibody (U.Penn. patent anti-GFRA4) is 98.3%, determined by SEC-HPLC.



Immobilized hu-GFRA4-his at 2 µg/mL can bind U.Penn. patent anti-GFRA4, EC₅₀= 2.554 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.