## .-online.com antibodies

# Datasheet for ABIN1450225 anti-GFRA2 antibody

2 Images

1 Publication



### Overview

Quantity:	100 µg
Target:	GFRA2
Reactivity:	Human
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This GFRA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

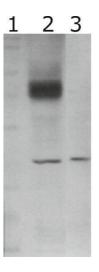
### Product Details

Isotype:	lgY
Specificity:	Glial cell line-derived neurotrophic factor (GDNF) andneurturin (NTN) are two structurally
	related, potent neurotrophic factors thatplay key roles in the control of neuron survival and
	differentiation. GFRa-2 isa member of the GDNF receptor family. It is a glycosylphosphatidyl-
	inositol(GPI)-linkedcell surface receptor for both GDNF and NTN, and mediates activation of the
	RETtyrosine kinase receptor. This encoded protein acts preferentially as areceptor for NRTN
	compared to its other family member, GDNF family receptoralpha 1. http://www.ncbi.nlm.
	nih.gov/gene/2675
Characteristics:	Mono- and polyclonal antibodies to human growth factors and neural growth factor receptors.
Purification:	GFRa-2 affinity purified

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN1450225 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

Target Details	
Target:	GFRA2
Alternative Name:	GFRa-2 (GFRA2 Products)
Background:	Recombinant His-tagged human GFRa-2 protein producedusing CHO-based cell line. For production of hGFRa-2, glycosylphosphatidyl-inositol GPI-anchor was removedand protein was secreted to the cell culture supernatant. Protein was purifiedby Ni-affinity chromatography following gel-filtration from cell culturesupernatant
UniProt:	000451
Application Details	
Application Notes:	Western immunoblotting, recommended dilution 1:5 000to 1:10 000, ELISA: 1:128 000 to 160 000, IF 1:500 to1:1000. Polyclonal antibody working titer has to beestablished practically for each particular antigen and assay format
Comment:	Synonym: GDNF receptor beta, Neurturin receptor alpha, RETligand 2TGF-beta-related neurotrophic factor receptor 2
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/ml
Buffer:	Concentrated ammonium sulphate in PBS pH 7.4
Handling Advice:	As product is (NH4)2SO4 precipitate, mix well by pipetting or vortexing prior use
Storage:	4 °C
Storage Comment:	This product is shipped in non-frozen liquid form in ambient conditions
Publications	
Product cited in:	Varin, Bouzidi, Dias, Pugliese, Michiels, Robert, Desrosiers, Sahel, Audo, Dalkara, Zeitz: " Restoration of mGluR6 Localization Following AAV-Mediated Delivery in a Mouse Model of Congenital Stationary Night Blindness." in: <b>Investigative ophthalmology &amp; visual science</b> , Vol. 62, Issue 3, pp. 24, (2021) (PubMed).

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN1450225 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

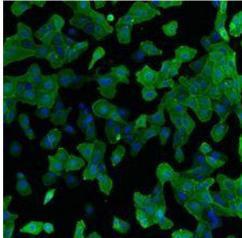




**Image 1.** Western-Blot detection of human GFRα-2 expressed in CHO cells. Line 1. hGFRα-2-containing CHOEBNALT85 cell culture supernatant. Line 2. Negative control - CHOEBNALT85 cell culture supernatant. 5 μl of supernatant were loaded per line. Primary antibody dilution 1:5000 was used. Rb pAb to Chk IgY ab6753, was used as secondary antibody

#### Immunofluorescence

**Image 2.** IF detection of human GFRα-2 expressed in U2OS cells. GFRα-2 was visualized using Chicken polyclonal antibody to human GFRα-2 (dilution 1:2000) and Goat antichicken IgY - H&L DyLight 550 (Abcam, ab96952) (dilution 1:200) as secondary antibody. For nuclear staining DAPI was used. ArrayScan VTI platform (Thermo Scientific) was used for image acquisition (10x objective). Composite picture was generated using pseudocolors green for GFRα-2 specific signal and blue for nuclei.



Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN1450225 | 09/12/2023 | Copyright antibodies-online. All rights reserved.