Chicken pAb to human GFRa-3

Catalogue #	305-100
Immunogen:	human GFRa-3
Immunogen Description:	Recombinant His-tagged human GFRa-3 protein produced using CHO-based Icosagen Cell factory Ltd. proprietary suspension cell line. For production of hGFRa-3, glycosylphosphatidyl-inositol GPI-anchor was removed and protein was secreted to the cell culture supernatant. Protein was purified by Ni-affinity chromatography following gel-filtration from cell culture supernatant
Alternative Names:	GDNF receptor alpha-3
Uniprot ID:	O60609
Clonality:	Polyclonal
Class:	IgY
Reactivity:	Human GFRa-3 Doesn’t cross-react with hGFRa-1, hGFRa-2, hGFRa-4
Application:	ELISA, WB, IF
Protocol:	Polyclonal antibody working titer has to be established practically for each particular antigen and assay format
ELISA:	3-6,25 ng/ml
IF:	0,3-0,67 µg/ml
Purification:	GFR?-3 affinity purified
Buffer:	Ammonium sulphate, saturated (PBS pH 7.4)
Shipping:	This product is shipped in non-frozen liquid form in ambient conditions
Storage:	Store at +4°C upon receipt. As product is (NH4)2SO4 precipitate, mix well by pipetting or vortexing prior use

Background: The GFRa-3 is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor and a member of the GDNF receptor family. It forms a signalling receptor complex with RET tyrosine kinase receptor and binds the ligand, artemin

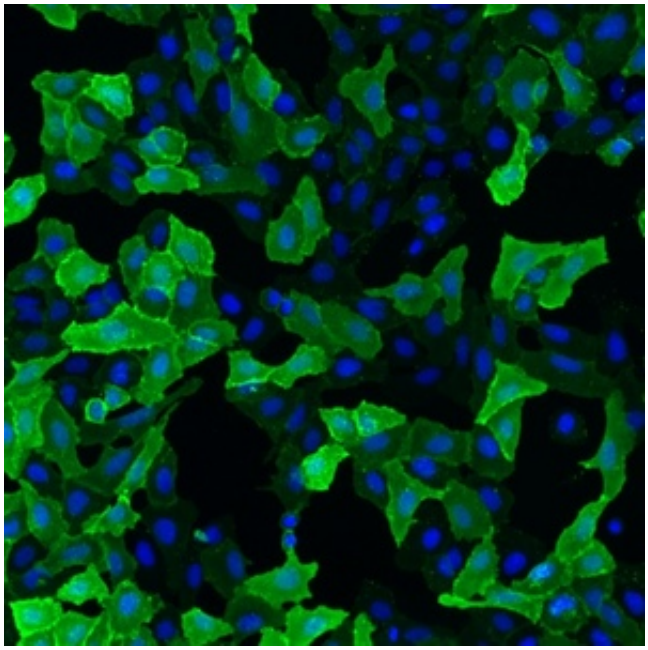

Figure 1. IF detection of human GFR?-3 expressed in U2OS cells. GFR?-3 was visualized using Chicken polyclonal antibody to human GFR?-3 (dilution 1:3000) and Goat anti-chicken IgY – H&L DyLight 550 (Abcam, ab96952) (dilution 1:200) as secondary antibody. For nuclear staining DAPI was used. ArrayScan VTI platform (Thermo Scientific) was used for image acquisition (10x objective). Composite picture was generated using pseudocolors green for GFR?-3 specific signal and blue for nuclei.

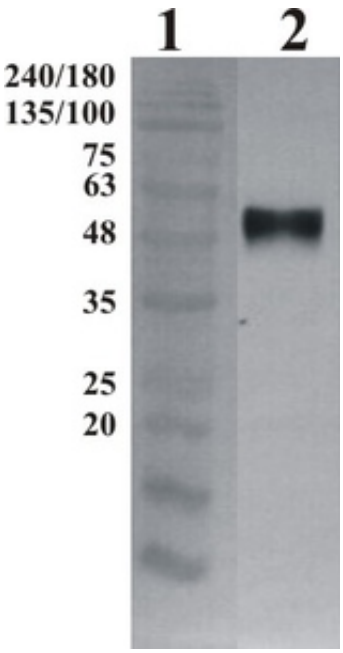

Figure 2. Western-Blot detection of human GFR?-3, using Chicken polyclonal antibody to human GFR?-3. GFR?-3 was C-terminally His tagged. Protein was expressed by CHO cell culture. 100 ng of purified protein

was loaded per lane. Line 1. Prestained protein ladder (Naxo 8003). Line 2. hGFR?-3. Primary antibody dilution 1:5000 was used. Rabbit anti-chicken antibody (Icosagen) was used as secondary antibody.