



Chicken pAb to human GFRa-4

Catalogue #	308-100
Immunogen:	human GFRa-4
Immunogen Description:	Recombinant His-tagged human GFRa-4 protein produced using CHO-based Icosagen Cell factory Ltd. proprietary suspension cell line. For production of hGFRa-4, glycosylphosphatidylinositol 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:	GNDF receptor alpha-4, Persephin receptor
Uniprot ID:	Q9GZZ7
Clonality:	Polyclonal
Class:	IgY
Reactivity:	Human GFRa-4, doesn't cross-react with hGFRa-1, hGFRa-2, hGFRa-3
Application:	ELISA, WB, IF
Protocol:	Polyclonal antibody working titer has to be established practically for each particular antigen and assay format
ELISA:	3-6,7 µg/ml
IF:	0,3-1 µg/ml
Purification:	GFRa-4 affinity purified
Buffer:	PBS pH 7.4, 0.1% sodium azide
Shipping:	This product is shipped in non-frozen liquid form in ambient conditions
Storage:	Store at -20...-70°C upon receipt. Divide antibody into aliquots prior usage. Avoid multiple freeze-thaw cycles.
Background:	GFR?-4 belongs to the GDNF receptor family. It

is a glycosyl-phosphatidylinositol (GPI)-linked cell surface receptor for persephin, and mediates activation of the RET tyrosine kinase receptor

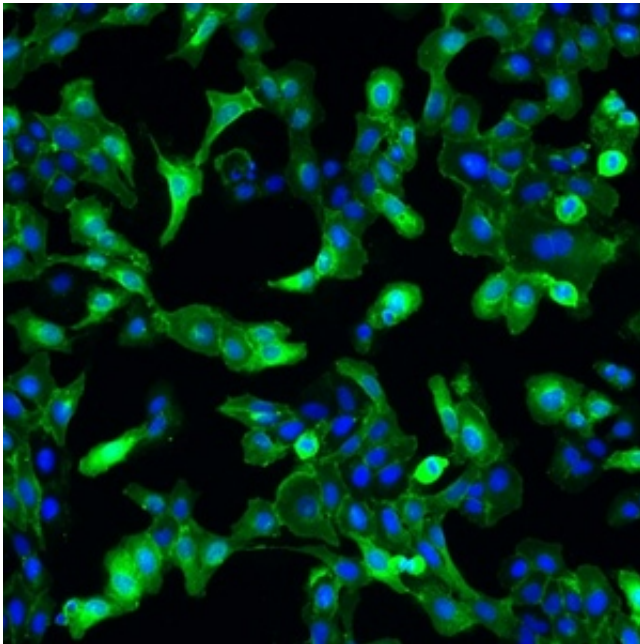


Figure 1. IF detection of human GFR?-4 expressed in U2OS cells. GFR?-4 was visualized using Chicken polyclonal antibody to human GFR?-4 (dilution 1:2000) and Goat anti-chicken IgY – H&L DyLight 550 (Abcam, ab96952) (dilution 1:200) as secondary antibody. For nuclear staining DAPI was used. ArrayScan VTI platform (Thermo Scientific) was used for image acquisition (10x objective). Composite picture was generated using pseudocolors green for GFR?-4 specific signal and blue for nuclei.

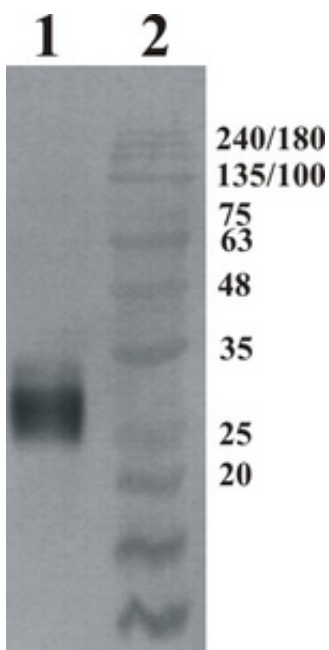


Figure 2. Western-Blot detection of human GFR?-4, using Chicken polyclonal antibody to human GFR?-4. Protein was expressed by CHO cell culture. 100 ng of purified protein was loaded per lane. Line 1. hGFR?-4. Primary antibody dilution 1:5000 was used. Line 2. Prestained protein ladder (Naxo 8003). Rabbit anti-chicken antibody, HRP conjugate (903-100, Icosagen) was used as secondary antibody.