



NRG4 Polyclonal Antibody

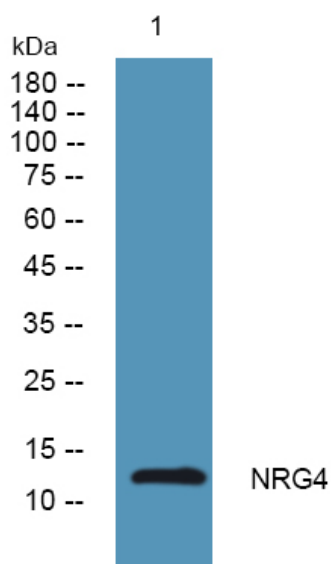
Catalog No	YP-Ab-07294
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	NRG4
Immunogen	Synthesized peptide derived from human protein . at AA range: 11-60
Specificity	NRG4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HRG4;neuregulin 4;NRG 4;NRG4;Pro NRG4;Pro-neuregulin-4;membrane-bound isoform (Pro-NRG4) [Cleaved into: Neuregulin-4 (NRG-4)]
Observed Band	12kD
Calculated Molecular Weight	12kD
Cell Pathway	[Pro-neuregulin-4, membrane-bound isoform]: Cell membrane ; Single-pass type I membrane protein . Does not seem to be active. .; [Neuregulin-4]: Secreted .
Tissue Specificity	Breast,Liver,Prostate,
Function	domain:ERBB receptor binding is elicited entirely by the EGF-like domain., domain:The cytoplasmic domain may be involved in the regulation of trafficking and proteolytic processing. Regulation of the proteolytic processing involves initial intracellular domain dimerization.,function:Low affinity ligand for the ERBB4 tyrosine kinase receptor. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. Does not bind to the ERBB1, ERBB2 and ERBB3 receptors.,PTM:Extensive glycosylation precedes the proteolytic cleavage.,PTM:Proteolytic cleavage close to the plasma membrane on the external face leads to the release of the soluble growth factor form., similarity:Belongs to the neuregulin family.,similarity:Contains 1 EGF-like



domain.,subcellular location:Does not seem to be active.,

Background	The neuregulins, including NRG4, activate type-1 growth factor receptors (see EGFR; MIM 131550) to initiating cell-to-cell signaling through tyrosine phosphorylation (Harari et al., 1999 [PubMed 10348342]).[supplied by OMIM, Mar 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night