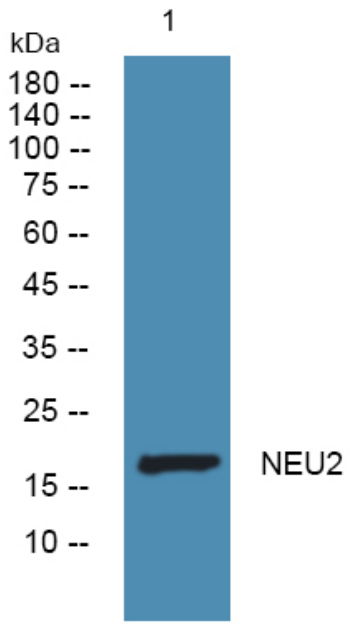
NEU2 Polyclonal Antibody

Catalog No	BYab-06841
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	AVP ARVP VP
Protein Name	Vasopressin-neurophysin 2-copeptin (AVP-NPII) [Cleaved into: Arg-vasopressin (Arginine-vasopressin); Neurophysin 2 (Neurophysin-II); Copeptin]
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	NEU2 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	
Observed Band	18kD
Cell Pathway	Secreted.
Tissue Specificity	Lung carcinoma,
Function	disease:Defects in AVP are the cause of autosomal dominant neurohypophyseal diabetes insipidus (ADNDI) [MIM:125700]. ADNDI is characterized by persistent thirst, polydipsia and polyuria. The disease is transmitted in an autosomal dominant mode and appears to be largely if not completely penetrant.,disease:Defects in AVP are the cause of autosomal recessive neurohypophyseal diabetes insipidus (ARNDI) [MIM:125700]. ARNDI is characterized by persistent thirst, polydipsia and polyuria. Most mutations are hypothesized to trigger neurodegeneration via disruption of preproAVP-NPII processing.,function:Neurophysin 2 specifically binds vasopressin.,function:Vasopressin has a direct antidiuretic action on the kidney, it also causes vasoconstriction of the peripheral vessels.,online information:Vasopressin entry,similarity:Belongs to the vasopressin/oxytocin

	family.,
Background	This gene encodes a member of the vasopressin/oxytocin family and preproprotein that is proteolytically processed to generate multiple protein products. These products include the neuropeptide hormone arginine vasopressin, and two other peptides, neurophysin 2 and copeptin. Arginine vasopressin is a posterior pituitary hormone that is synthesized in the supraoptic nucleus and paraventricular nucleus of the hypothalamus. Along with its carrier protein, neurophysin 2, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis where it is either stored or secreted into the bloodstream. The precursor is thought to be activated while it is being transported along the axon to the posterior pituitary. Arginine vasopressin acts as a growth factor by enhancing pH regulation through acid-base transport systems. It has a direct antidiuretic action on the ki
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 K562 cells, primary antibody was diluted at 1:1000, 4°over night