

Anti-Vasopressin Antibody (6A892)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 18 kDa. Actual: 22 kDa.
Clone:	6A892
Purification:	Protein A purified

Applications

Verified Activity:	100 ng rhVasopressin-neurophysin 2-copeptin-His protein per lane probed with Vasopressin monoclonal antibody respectively, unconjugated (TMAB-14050) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB
Recommended	WB: 1:1000-5000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human Vasopressin-neurophysin 2-copeptin protein
Antigen Species:	Human
Gene ID:	551
Uniprot ID:	P01185

Research Background

Vasopressin, also known as arginine vasopressin (AVP) or antidiuretic hormone (ADH), is a posterior pituitary hormone that is synthesised in the hypothalamus. Vasopressin is synthesised as a precursor protein that consists of arginine vasopressin and two associated proteins, neurophysin 2 and the glycopeptide copeptin. Vasopressin, together with its carrier protein neurophysin II, 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. Vasopressin acts as a growth factor by enhancing pH regulation through acid-base transport systems. It has a direct antidiuretic action on the kidney and also causes vasoconstriction of the peripheral vessels. Vasopressin can also contract smooth muscle during parturition and lactation. It also plays a role in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. Mutations in the vasopressin precursor cause autosomal dominant neurohypophyseal diabetes insipidus (ADNDI), which is characterised by persistent thirst, polydipsia and polyuria.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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