

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Neurophysin II in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 62865
Purification	Protein A or G purified from ascites
Immunogen	Synthetic peptide containing human Neurophysin II Accession # P01186
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Arginine vasopressin (AVP)/Neurophysin 2 is a hormone synthesized in neurons in the hypothalamus that specifically binds vasopressin. Vasopressin has a direct antidiuretic action on the kidney and causes vasoconstriction of the peripheral vessels. Vasopressin regulates the tonicity of body fluid by causing the kidneys to reabsorb solute-free water and returning it to the circulation from the tubules of the nephron. AVP released in high concentrations may also raise blood pressure by inducing vasoconstriction. The stimulus for secretion of vasopressin is increased osmolality of the plasma which is monitored by the hypothalamus. Vasopressin is often used to manage anti-diuretic hormone deficiency.

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