

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human Cubilin in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Cubilin Ser36-Gly126 Accession # O60494
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
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

Cubilin is a 460 kDa protein that is a component of a multiligand endocytic receptor complex, which also contains amnionless, megalin and LRP2. The receptor complex is expressed in several absorptive epithelia, including kidney proximal tubule, yolk sac, and the small intestine. Human Cubilin is synthesized as a 3623 residue precursor with a signal peptide, an amino-terminal domain, eight EGF-like repeats and 27 Cub domains. Co-expression with amnionless is required for the membrane anchoring, ER export and internalizing action of Cubilin. Within the region used as the immunogen, human, mouse and rat Cubilin share approximately 76% amino acid sequence homology.

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