

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Cubilin in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human (rh) Notch-2 and rhNotch-3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Cubilin Ser36-Gly126 Accession # O60494
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human Cubilin

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.