

bsm-54329R**[Primary Antibody]**

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Cubilin Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 7B12**GeneID:** 8029**SWISS:** O60494**Target:** Cubilin**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

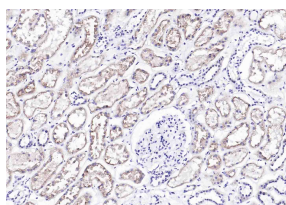
Storage: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.02% Proclin300.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Cubilin is an endocytic receptor that lacks a classical transmembrane region. It is a multidomain receptor that contains an amino terminal 110 residue segment followed by 8 epidermal growth factor (EGF)-like repeats and a contiguous stretch of 27 CUB domains. Cubilin acts as a receptor for intrinsic factor-vitamin B12 complexes. Cubilin is located within the epithelium of intestine and kidney. Cubilin co-localizes with and binds to Megalin, a 600kDa member of the LDL receptor family that is required for the internalization of cubilin-bound ligands, such as vitamin B12, apolipoprotein A1 and Albumin. Megalin specifically binds to cubilin in the amino terminal region that contains the EGF-like repeats and CUB domains 1 and 2. Mutations in Cubilin may play a role in autosomal recessive megaloblastic anemia also known as Imlerslund-Grasbeck's disease, which causes intestinal malabsorption of vitamin B12.

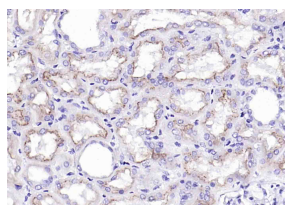
Applications: WB (1:500)**IHC-P** (1:100-500)**IHC-F** (1:400-800)**IF** (1:100-500)**Reactivity:** Human

Predicted
MW.: 395 kDa

Subcellular
Location: Cell membrane ,Cytoplasm

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cubilin) Monoclonal Antibody, Unconjugated (bsm-54329R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human kidney carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cubilin) Monoclonal Antibody, Unconjugated (bsm-54329R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.