
Cubilin Recombinant Rabbit mAb

Catalog Number: bsm-54329R

Target Protein: Cubilin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 7B12

Isotype: IgG

Applications: WB (1:500), IHC-P (1:100-500), IHC-F (1:400-800), IF (1:100-500)

Reactivity: Human

Predicted MW: 395 kDa

Entrez Gene: 8029

Swiss Prot: O60494

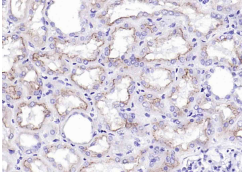
Purification: affinity purified by Protein A

Storage: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.02% Proclin300.

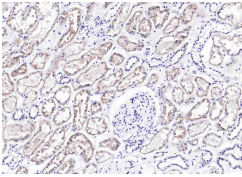
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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 Imerslund-Grasbeck's disease, which causes intestinal malabsorption of vitamin B12.

VALIDATION IMAGES



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.



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.