



ANLN mouse mAb

Catalog No	YP-mAb-18040
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ANLN
Immunogen	Synthesized peptide derived from human ANLN
Specificity	This antibody detects endogenous levels of ANLN at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	scra;FSGS8;Scraps;ANLN;Actin-binding protein anillin
Observed Band	120kDa
Calculated Molecular Weight	124kDa
Cell Pathway	Nucleus. Cytoplasm, cytoskeleton. Cytoplasm, cell cortex . Cell projection, bleb . Mainly found in the nucleus during interphase. Colocalizes with cortical F-actin upon nuclear envelope breakdown in mitosis and subsequently concentrates in the area of the prospective contractile ring in anaphase. This pattern persists until telophase, when the protein becomes concentrated in the midbody.
Tissue Specificity	Ubiquitously expressed. Present at highest levels in the brain, at high levels in the placenta and testis, at intermediate levels in the intestine, ovary, skeletal muscle and thymus and at lower levels in heart, kidney, liver, lung, pancreas, prostate and spleen. In the kidney, it is widely expressed in tubules, but sparsely expressed in the glomerulus (PubMed:24676636). Expression is significantly increased in renal biopsy specimens from idiopathic FSGS (PubMed:24676636). Overexpressed in many tumor types including breast, colorectal, endometrial, hepatic, kidney, lung, ovarian and pancreatic tumors.

**Function**

Required for cytokinesis . Essential for the structural integrity of the cleavage furrow and for completion of cleavage furrow ingression. Plays a role in bleb assembly during metaphase and anaphase of mitosis . May play a significant role in podocyte cell migration .

Background**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images