Lamin B2 Mouse mAb

CatalogNo: YM1521

Key Features

Host Species
- Mouse

Reactivity
- Human,Mouse

Applications
- WB

MW
- 68kD (Observed)

Recommended Dilution Ratios

WB 1:500

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Monoclonal

Immunogen Information

Immunogen	Recombinant human Lamin B2 protein.
Specificity	This antibody detects endogenous levels of Lamin B2 and does not cross-react with related proteins.

Target Information

Gene name	Lamin B2

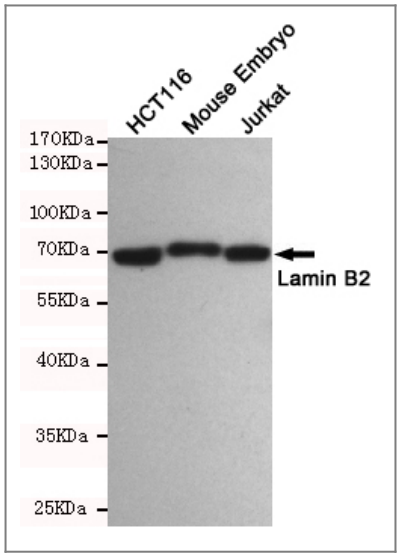
Protein Name	Organism	Gene ID	UniProt ID
	Human	84823;	Q03252;
	Mouse		P21619;

Cellular Localization Nucleus lamina .

Tissue specificity Epithelium,Fetal brain cortex,Muscle,

Function Disease:Defects in LMNB2 are a cause of partial acquired lipodystrophy (APL) [MIM:608709]; also called Barraquer-Simons syndrome. APL is a rare childhood disease characterized by loss of subcutaneous fat from the face and trunk. Fat deposition on the pelvic girdle and lower limbs is normal or excessive. Most frequently, onset between 5 and 15 years of age. Most affected subjects are females and some show no other abnormality, but many develop glomerulonephritis, diabetes mellitus, hyperlipidaemia, and complement deficiency. Mental retardation in some cases. APL is a sporadic disorder of unknown aetiology.,Function:Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin.,miscellaneous:The structural integrity of the lamina is strictly controlled by the cell cycle, as seen by the disintegration and formation of the nuclear envelope in prophase and telophase, respectively.,PTM:B-type lamins undergo a series of modifications, such as farnesylation and phosphorylation. Increased phosphorylation of the lamins occurs before envelope disintegration and probably plays a role in regulating lamin associations.,similarity:Belongs to the intermediate filament family.,subunit:Interacts with TMEM43.,

Validation Data



Western blot detection of Lamin B2 in HCT116, Mouse Embryo and Jurkat cell lysates using Lamin B2 mouse mAb(dilution 1:500).Predicted band size:68kDa.Observed band size:68kDa.

Contact information

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Please scan the QR code to access additional product information:
Lamin B2 Mouse mAb