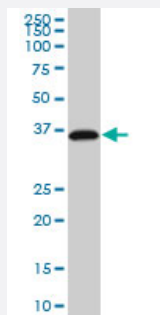


RP2 monoclonal antibody (M01), clone 1B4

Catalog # H00006102-M01

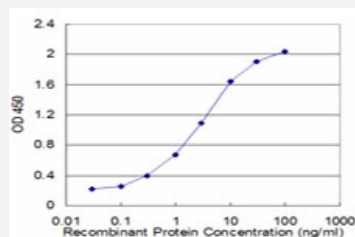
Size 100 ug

Applications



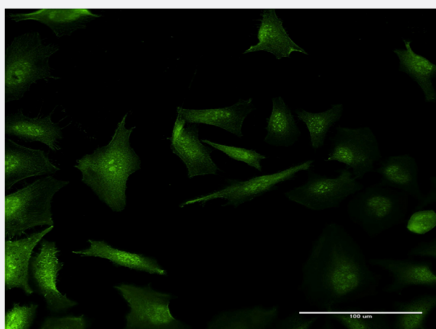
Western Blot (Cell lysate)

RP2 monoclonal antibody (M01), clone 1B4. Western Blot analysis of RP2 expression in HeLa S3 NE (Cat # L013V3).



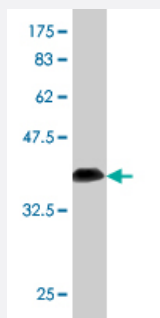
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RP2 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to RP2 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant RP2.
Immunogen	RP2 (NP_008846, 251 a.a. ~ 350 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RKLIDEMVGKGFFLVQTKEVSMKAEDAQRVFREKAPDFLPLLNKGPVIALEFNGDGAVEVCQLV NEIFNGTKMFVSESKETASGDVDSFYNFADIQMG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (87)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

RP2 monoclonal antibody (M01), clone 1B4. Western Blot analysis of RP2 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RP2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to RP2 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — RP2

Entrez GeneID [6102](#)

GeneBank Accession# [NM_006915](#)

Protein Accession# [NP_008846](#)

Gene Name RP2

Gene Alias DELXp11.3, KIAA0215, TBCCD2

Gene Description retinitis pigmentosa 2 (X-linked recessive)

Omim ID [300578](#) [312600](#)

Gene Ontology [Hyperlink](#)

Gene Summary The RP2 locus has been implicated as one cause of X-linked retinitis pigmentosa. The predicted gene product shows homology with human cofactor C, a protein involved in the ultimate step of beta-tubulin folding. Progressive retinal degeneration may therefore be due to the accumulation of incorrectly-folded photoreceptor or neuron-specific tubulin isoforms followed by progressive cell death [provided by RefSeq]

Other Designations OTTHUMP00000023189|XRP2 protein

Disease

- [Genetic Diseases](#)

- [Retinal Diseases](#)
- [Retinitis Pigmentosa](#)