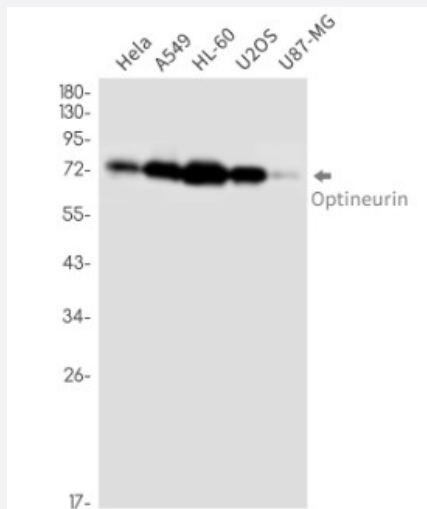


RecomAb™

OPTN recombinant monoclonal antibody, clone R01-2C5

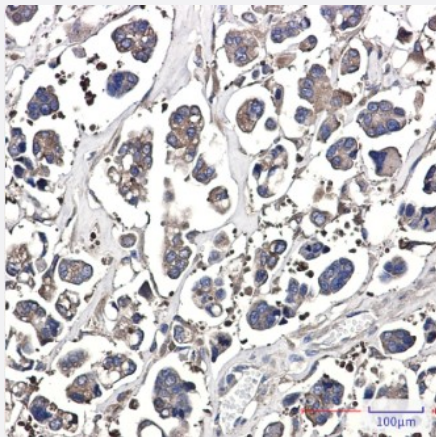
Catalog # RAB01394 Size 100 uL

Applications



Western Blot

Western Blot analysis of HeLa, A549, HL-60, U2OS, U87-MG lysates with OPTN recombinant monoclonal antibody, clone R01-2C5 (Cat # RAB01394).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cholangiocarcinoma with OPTN recombinant monoclonal antibody, clone R01-2C5 (Cat # RAB01394).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human OPTN.
Antibody Species	Rabbit

Immunogen	Original antibody is raised against recombinant protein corresponding to human OPTN.
Theoretical MW (kDa)	Calculated MW: 66 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Hela, A549, HL-60, U2OS, U87-MG lysates with OPTN recombinant monoclonal antibody, clone R01-2C5 (Cat # RAB01394).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cholangiocarcinoma with OPTN recombinant monoclonal antibody, clone R01-2C5 (Cat # RAB01394).

Gene Info — OPTN

Entrez GeneID	10133
Protein Accession#	Q96CV9
Gene Name	OPTN
Gene Alias	FIP2, GLC1E, HIP7, HYPL, NRP, TFIIIA-INTP
Gene Description	optineurin

Omim ID [137760 602432 606657](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes the coiled-coil containing protein optineurin. Optineurin may play a role in normal-tension glaucoma and adult-onset primary open angle glaucoma. Optineurin interacts with adenovirus E3-14.7K protein and may utilize tumor necrosis factor-alpha or Fas-ligand pathways to mediate apoptosis, inflammation or vasoconstriction. Optineurin may also function in cellular morphogenesis and membrane trafficking, vesicle trafficking, and transcription activation through its interactions with the RAB8, huntingtin, and transcription factor IIIA proteins. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

Huntingtin interacting protein L|OTTHUMP00000019125|OTTHUMP00000019126|OTTHUMP0000019127|OTTHUMP00000019128|glaucoma 1, open angle, E (adult-onset)|nemo-related protein|transcription factor IIIA-interacting protein|tumor necrosis factor alpha-inducible ce

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Leber hereditary optic neuropathy](#)
- [Ocular Hypertension](#)
- [Optic Atrophy](#)
- [Optic Nerve Diseases](#)
- [Osteitis Deformans](#)
- [Retinal Diseases](#)
- [Tobacco Use Disorder](#)