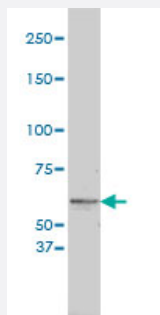


TYR monoclonal antibody (M01), clone 2A2-F4

Catalog # H00007299-M01

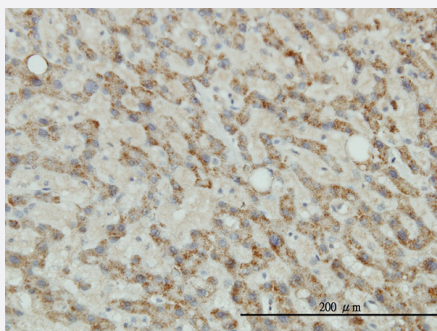
Size 100 ug

Applications



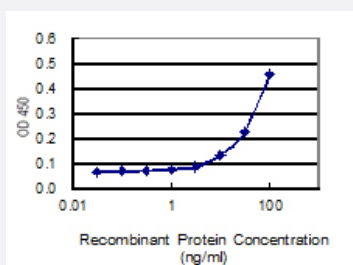
Western Blot (Cell lysate)

TYR monoclonal antibody (M01), clone 2A2-F4 Western Blot analysis of TYR expression in A-431 (Cat # L015V1).



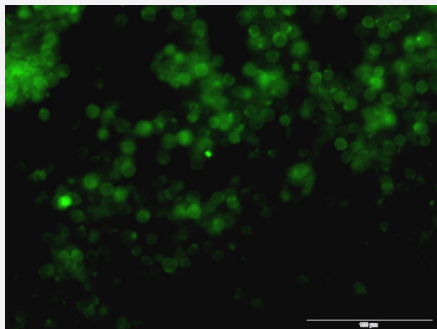
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TYR on formalin-fixed paraffin-embedded human liver tissue. [antibody concentration 3 ug/ml]



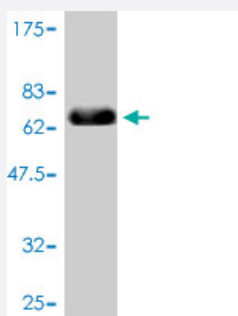
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TYR is 3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to TYR on Jurkat cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (67.21 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant TYR.
Immunogen	TYR (AAH27179.1, 1 a.a. ~ 377 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MLLAVLYCLLWSFQTSAGHFPRACVSSKNLMEKECCPPWSGDRSPCGQLSGRGSCQNILLSNA PLGPQFPFTGVDDRESWPSVFYNRTCQCSGNFMGFNCGNCKFGFWGPNCTERRLLVRRNIFDL SAPEKDKFFAYLTLAKHTISSDYVIPITYGQMKNGSTPMFNDINIYDLFVWMHYVVSMDALLGGSEI WRDIDFAHEAPAFPLPWHRLFLLRWEQEIQKLTGDENFTIPYWDWRDAEKCDICTDEYMGQGHPT NPNLLSPASFFSSWQIVCSRLEEYNHQPLCNGTPEGPLRRNPGNHDKSRTPLRPSSADVEFCL SLTQYESGSMDKAANFSFRNTLEEMGFLHVGWAGLKLLTSRDPPPWPCKMLGLQA
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (67.21 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)

TYR monoclonal antibody (M01), clone 2A2-F4 Western Blot analysis of TYR expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to TYR on formalin-fixed paraffin-embedded human liver tissue. [antibody concentration 3 ug/ml]

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- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TYR is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to TYR on Jurkat cell . [antibody concentration 10 ug/ml]

Gene Info — TYR

Entrez GeneID [7299](#)

GeneBank Accession# [BC027179](#)

Protein Accession# [AAH27179.1](#)

Gene Name TYR

Gene Alias OCA1A, OCAIA, SHEP3

Gene Description tyrosinase (oculocutaneous albinism IA)

Omim ID [103470](#) [203100](#) [606933](#) [606952](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. The human genome contains a pseudogene similar to the 3' half of this gene. [provided by RefSeq]

Other Designations

tyrosinase

Pathway

- [Betain biosynthesis](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Isoquinoline alkaloid biosynthesis](#)
- [Melanogenesis](#)
- [Metabolic pathways](#)
- [Riboflavin metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Albinism](#)
- [Autistic Disorder](#)
- [Autoimmune Diseases](#)
- [Bone Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Hermanski-Pudlak Syndrome](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)

- [Melanoma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Metastasis](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Vitiligo](#)
- [Werner syndrome](#)