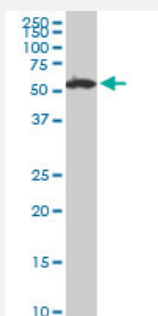


USP14 monoclonal antibody (M04), clone 6D6

Catalog # H00009097-M04

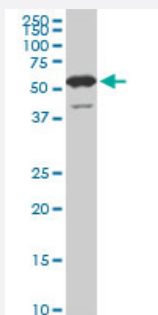
Size 100 ug

Applications



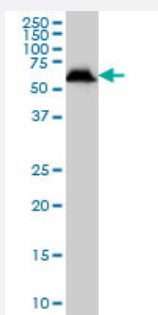
Western Blot (Cell lysate)

USP14 monoclonal antibody (M04), clone 6D6. Western Blot analysis of USP14 expression in Raw 264.7 (Cat # L024V1).



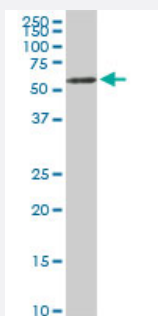
Western Blot (Cell lysate)

USP14 monoclonal antibody (M04), clone 6D6. Western Blot analysis of USP14 expression in PC-12 (Cat # L012V1).



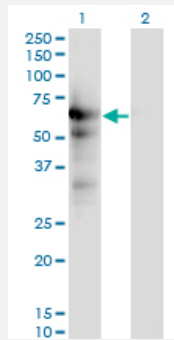
Western Blot (Cell lysate)

USP14 monoclonal antibody (M04), clone 6D6 Western Blot analysis of USP14 expression in HeLa (Cat # L013V1).



Western Blot (Cell lysate)

USP14 monoclonal antibody (M04), clone 6D6. Western Blot analysis of USP14 expression in NIH/3T3 (Cat # L018V1).

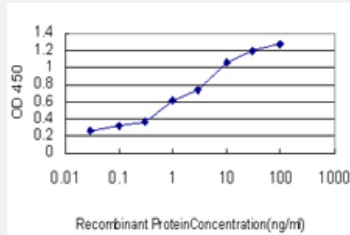


Western Blot (Transfected lysate)

Western Blot analysis of USP14 expression in transfected 293T cell line by USP14 monoclonal antibody (M04), clone 6D6.

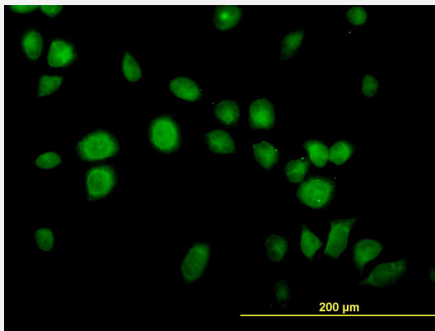
Lane 1: USP14 transfected lysate (56.1 KDa).

Lane 2: Non-transfected lysate.



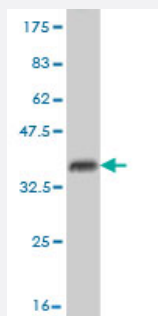
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged USP14 is approximately 0.1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to USP14 on HeLa cell. [antibody concentration 20 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant USP14.

Immunogen

USP14 (NP_005142, 395 a.a. ~ 494 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	PQKEVKYEPFSFADDIGSNNGYYDLQAVLTHQGRSSSSGHYVSWVKRKQDEWIKFDDDKVSM TPEDILRLSGGGDWHIAVLLYGPRRVEIMEESEQ
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (96); Rat (96)
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)

USP14 monoclonal antibody (M04), clone 6D6. Western Blot analysis of USP14 expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

USP14 monoclonal antibody (M04), clone 6D6. Western Blot analysis of USP14 expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

USP14 monoclonal antibody (M04), clone 6D6 Western Blot analysis of USP14 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

USP14 monoclonal antibody (M04), clone 6D6. Western Blot analysis of USP14 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of USP14 expression in transfected 293T cell line by USP14 monoclonal antibody (M04), clone 6D6.

Lane 1: USP14 transfected lysate(56.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged USP14 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to USP14 on HeLa cell. [antibody concentration 20 ug/ml]

Gene Info — USP14

Entrez GeneID	9097
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GeneBank Accession#	NM_005151
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Protein Accession#	NP_005142
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Gene Name	USP14
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Gene Alias	TGT
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Gene Description	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)
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Omim ID	607274
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Gene Ontology	Hyperlink
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Gene Summary

This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

deubiquitinating enzyme 14|tRNA-guanine transglycosylase, 60-kD subunit|ubiquitin carboxyl-terminal hydrolase 14|ubiquitin specific protease 14|ubiquitin specific protease 14 (tRNA-guanine transglycosylase)|ubiquitin thiolesterase 14|ubiquitin-specific pr

Publication Reference

- [Ubiquitin-specific protease-14 reduces cellular aggregates and protects against mutant huntingtin-induced cell degeneration: involvement of the proteasome and ER stress-activated kinase IRE1 \$\alpha\$.](#)

Hyrskyluoto A, Bruelle C, Lundh SH, Do HT, Kivinen J, Rappou E, Reijonen S, Waltimo T, Petersen A, Lindholm D, Korhonen L. Human Molecular Genetics 2014 Nov; 23(22):5928.

Application: IP-WB, WB-Tr, Human, PC6.3, HeLa cells