

Product datasheet for **CF501300**

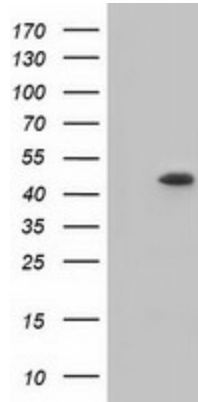
C9orf41 (CARNMT1) Mouse Monoclonal Antibody [Clone ID: OTI6E4]

Product data:

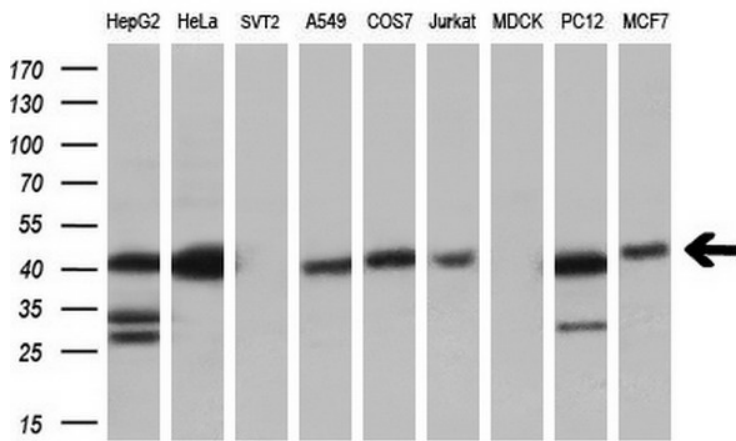
Product Type:	Primary Antibodies
Clone Name:	OTI6E4
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human C9orf41(NP_689663) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47.0 kDa
Gene Name:	carnosine N-methyltransferase 1
Database Link:	NP_689633 Entrez Gene 138199 Human Q8N4J0
Synonyms:	C9orf41; UPF0586



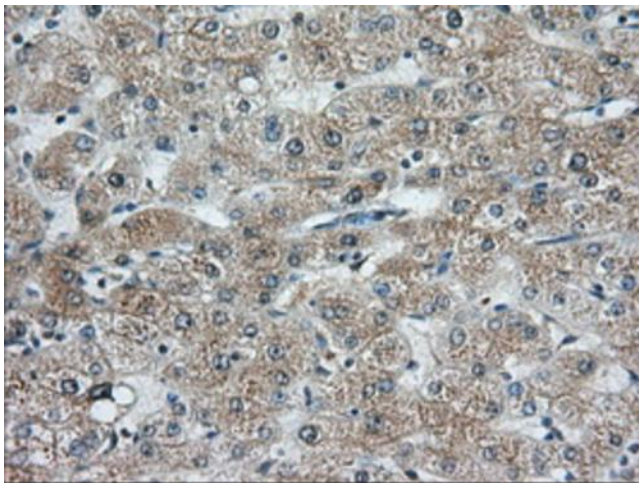
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Product images:


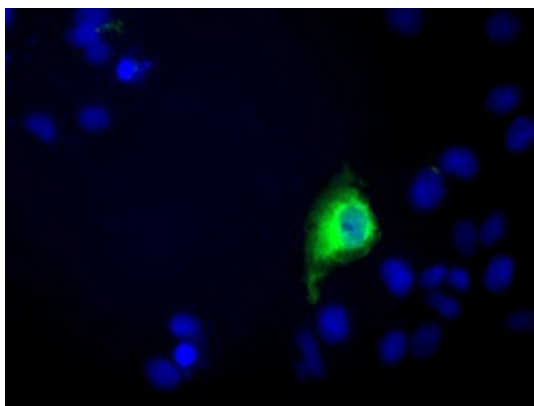
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY C9orf41 ([RC205116], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-C9orf41. Positive lysates [LY403480] (100ug) and [LC403480] (20ug) can be purchased separately from OriGene.



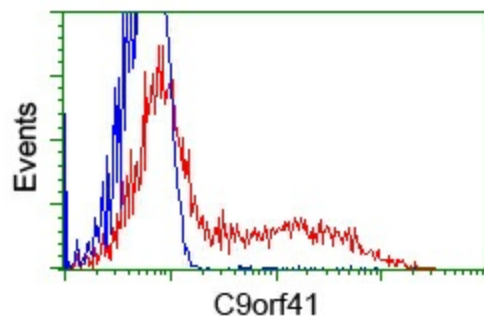
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-C9orf41 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-C9orf41 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501300], Dilution 1:50)



Anti-C9orf41 mouse monoclonal antibody ([TA501300]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY C9orf41 ([RC205116]).



HEK293T cells transfected with either [RC205116] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-C9orf41 antibody ([TA501300]), and then analyzed by flow cytometry.