

Product datasheet for **CF502295**

ACY3 Mouse Monoclonal Antibody [Clone ID: OTI2D5]

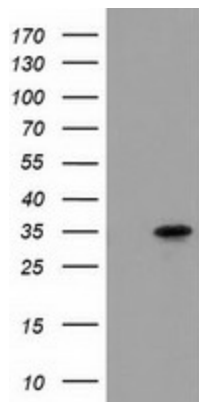
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D5
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ACY3 (NP_542389) 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:	35.1 kDa
Gene Name:	aminoacylase 3
Database Link:	NP_542389 Entrez Gene 711083 Monkey Entrez Gene 91703 Human Q96HD9
Synonyms:	ACY-3; HCBP1
Protein Pathways:	Alanine, aspartate and glutamate metabolism, Histidine metabolism

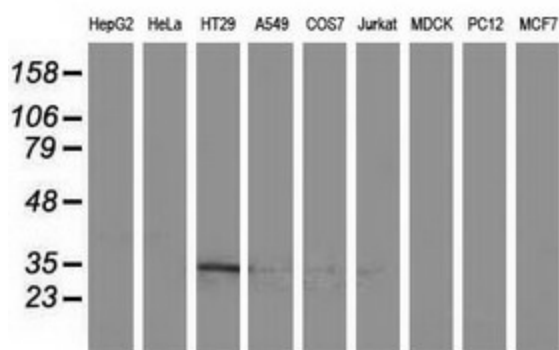


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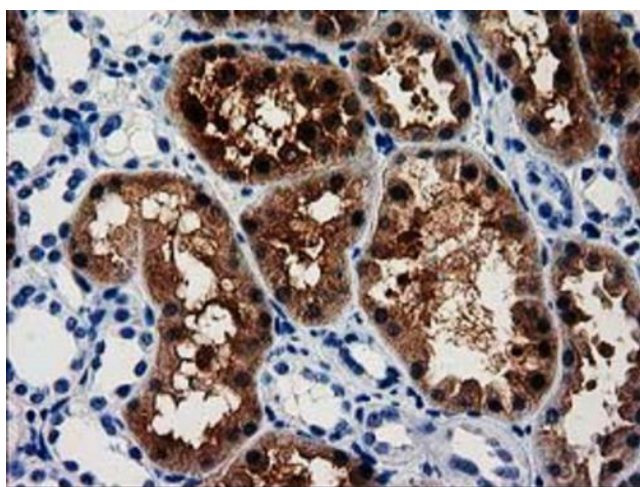
Product images:



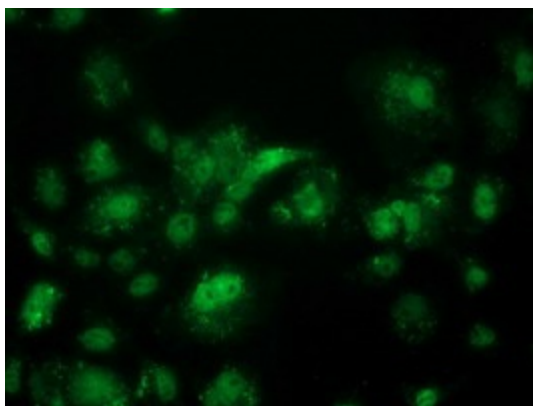
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ACY3 (Cat# [RC202287], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ACY3 (Cat# [TA502295]). Positive lysates [LY408962] (100ug) and [LC408962] (20ug) can be purchased separately from OriGene.



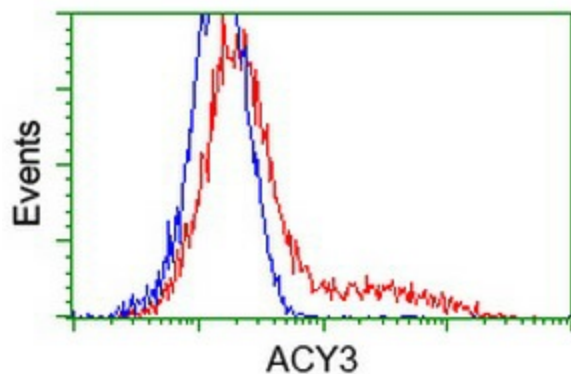
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-ACY3 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ACY3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-ACY3 mouse monoclonal antibody ([TA502295]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ACY3 ([RC202287]).



HEK293T cells transfected with either [RC202287] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ACY3 antibody ([TA502295]), and then analyzed by flow cytometry.