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OCC-1 Antibody

Catalog # ASC10833

Product Information

Application	WB, E, IHC-P
Primary Accession	Q8TAD7
Other Accession	AAH61920, 112180576
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	6407
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	OCC-1 antibody can be used for detection of OCC-1 by Western blot at 2 - 4 g/mL. In vitro transcription and translation of the OCC-1 cDNA yields polypeptides less than 9 kDa. Despite this, OCC-1 from cell lines is detected at ~28 kDa in SDS-PAGE. Antibody can also be used for immunohistochemistry starting at 2.5 g/mL.

Additional Information

Gene ID	387882
Other Names	Overexpressed in colon carcinoma 1 protein, OCC-1, AGD3, OCC1, C12orf75
Target/Specificity	C12orf75;
Reconstitution & Storage	OCC-1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	OCC-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OCC1
Synonyms	C12orf75
Tissue Location	High expression in placenta, skeletal muscle, kidney and pancreas tissues. Absent or very faint expression in heart, brain, lung and liver. Expressed during adipogenic differentiation of mesenchymal stem cells (at protein level)

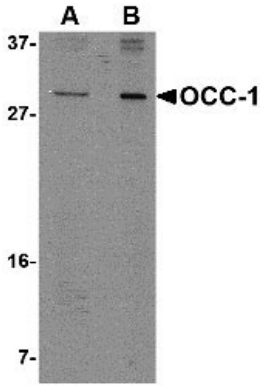
Background

OCC-1 Antibody: OCC-1 (Overexpressed in colon carcinoma-1) was initially identified as a novel human cDNA overexpressed in a colon carcinoma cell line. Elevated levels of OCC-1 mRNA were observed in three of eight colon carcinomas, suggesting that OCC-1 may be a hallmark of only a subset of colon carcinomas. It is highly expressed in skeletal muscle, kidney, placenta, and pancreas tissues, with low to no expression in heart, brain, lung and liver tissues. At least two different OCC-1 mRNA species are known to exist.

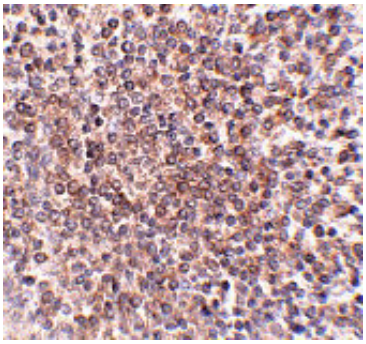
References

Pibouin L, Villaudy J, Ferbus D, et al. Cloning of the mRNA of overexpression in colon-carcinoma-1: a sequence overexpressed in a subset of colon carcinomas. Cancer Genet. Cytogenet.2002; 133:55-60.

Images



Western blot analysis of OCC-1 in 293 cell lysate with OCC-1 antibody at (A) 2 µg/mL and (B) 4 µg/mL.



Immunohistochemistry of OCC-1 in human spleen tissue with OCC-1 antibody at 2.5 µg/mL.