**Product datasheet for TA807295**

**Fascin (FSCN1) Mouse Monoclonal Antibody [Clone ID: OTI3D2]**

**Product data:**

- **Product Type:** Primary Antibodies
- **Clone Name:** OTI3D2
- **Applications:** IHC, WB
- **Recommend Dilution:** WB 1:500, IHC 1:500
- **Reactivity:** Human, Rat
- **Host:** Mouse
- **Isotype:** IgG2a
- **Clonality:** Monoclonal
- **Immunogen:** Full length human recombinant protein of human FSCN1 (NP_003079) produced in HEK293T.
- **Formulation:** PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
- **Concentration:** 1 mg/ml
- **Purification:** Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
- **Storage:** Store at -20°C as received.
- **Stability:** Stable for 12 months from date of receipt.
- **Gene Name:** fascin actin-bundling protein 1
- **Database Link:** NP_003079 Entrez Gene 683788 Rat Entrez Gene 6624 Human
- **Background:** This gene encodes a member of the fascin family of actin-binding proteins. Fascin proteins organize F-actin into parallel bundles, and are required for the formation of actin-based cellular protrusions. The encoded protein plays a critical role in cell migration, motility, adhesion and cellular interactions. Expression of this gene is known to be regulated by several microRNAs, and overexpression of this gene may play a role in the metastasis of multiple types of cancer by increasing cell motility. Expression of this gene is also a marker for Reed-Sternberg cells in Hodgkin's lymphoma. A pseudogene of this gene is located on the long arm of chromosome 15. [provided by RefSeq, Sep 2011]
- **Synonyms:** FAN1; HSN; p55; SNL
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FSCN1 ([RC203031], 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-FSCN1 (1:500). Positive lysates [LY401076] (100ug) and [LC401076] (20ug) can be purchased separately from OriGene.

Western blot analysis of extracts (35ug) from 6 different cell lines by using anti-FSCN1 monoclonal antibody (1:500).
Equivalent amounts of cell lysates (10 ug per lane) of wild-type Hela cells (WT, Cat# LC810HELA) and FSCN1-Knockout Hela cells (KO, Cat# [LC810219]) were separated by SDS-PAGE and immunoblotted with anti-FSCN1 monoclonal antibody TA807295. Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control (1:500).

Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue tissue using anti-FSCN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA807295) (1:500)

Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-FSCN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA807295) (1:500)
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-FSCN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA807295) (1:500)

Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-FSCN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA807295) (1:500)

Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-FSCN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA807295) (1:500)
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-FSCN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA807295) (1:500)

Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-FSCN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, TA807295) (1:500)