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Product datasheet for TA500504

Kindlin 2 (FERMT2) Mouse Monoclonal Antibody [Clone ID: OTI9E4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9E4
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB 1:500~1000, IHC 1:150, IF 1:50, IP 2ug/500ul
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human FERMT2 expression vector
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)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	77.9 kDa
Gene Name:	FERM domain containing kindlin 2
Database Link:	NP_006823 Entrez Gene 218952 MouseEntrez Gene 289992 RatEntrez Gene 490693 DogEntrez Gene 693958 MonkeyEntrez Gene 10979 Human Q96AC1
Background:	Participates in the connection between ECM adhesion sites and the actin cytoskeleton and also in the orchestration of actin assembly and cell shape modulation. Recruits migfilin (FBLP1) protein to cell-ECM focal adhesion sites
Synonyms:	KIND2; mig-2; MIG2; PLEKHC1; UNC112; UNC112B

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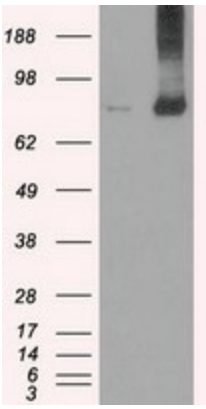
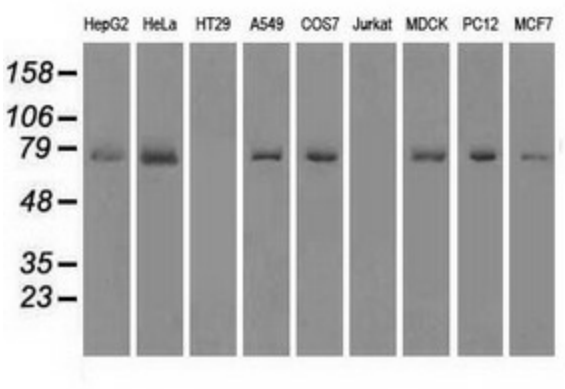
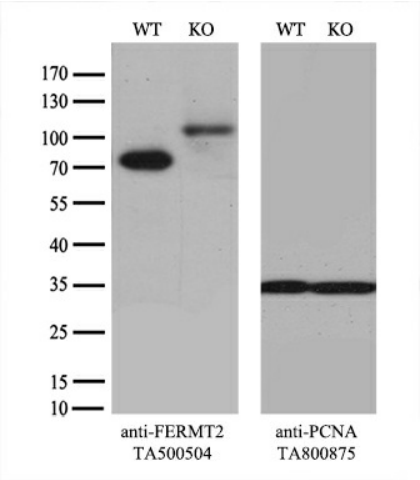
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FERMT2 (Cat# [RC205727], 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-FERMT2(Cat# TA500504). Positive lysates [LY416377] (100ug) and [LC416377] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-FERMT2 monoclonal antibody.



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and FERMT2-Knockout HeLa cells (KO, Cat# [LC812552]) were separated by SDS-PAGE and immunoblotted with anti-FERMT2 monoclonal antibody TA500504 (1:1000`). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.

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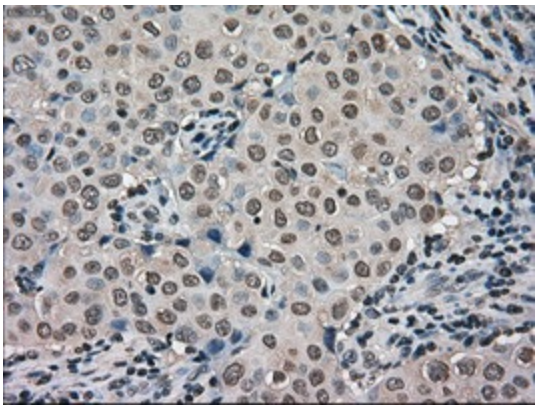
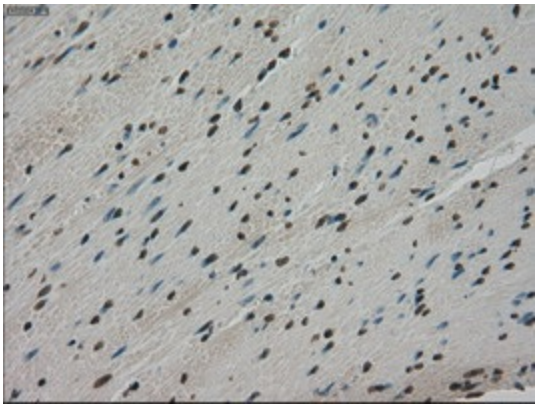
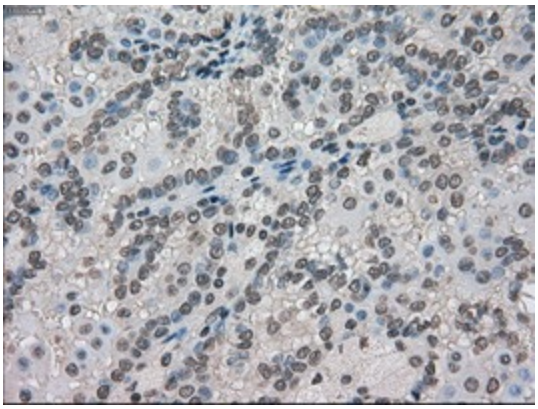


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-FERMT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500504)



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-FERMT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500504)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-FERMT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500504)

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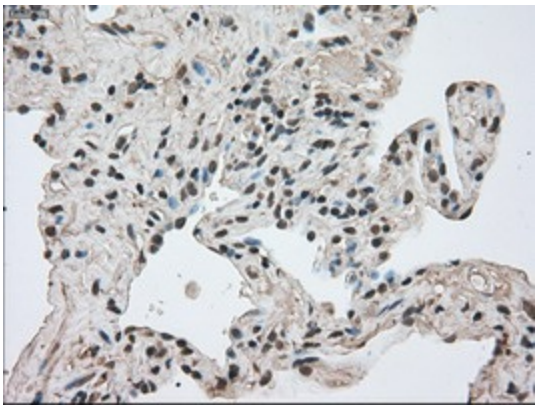
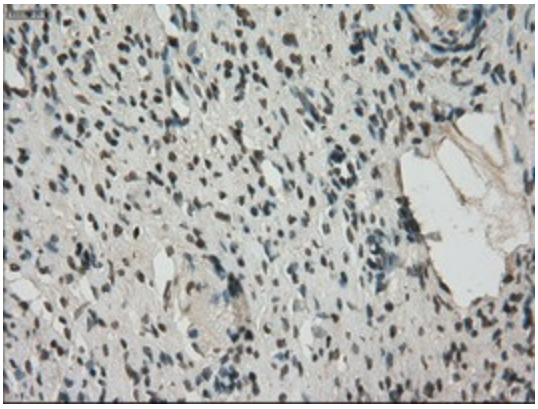
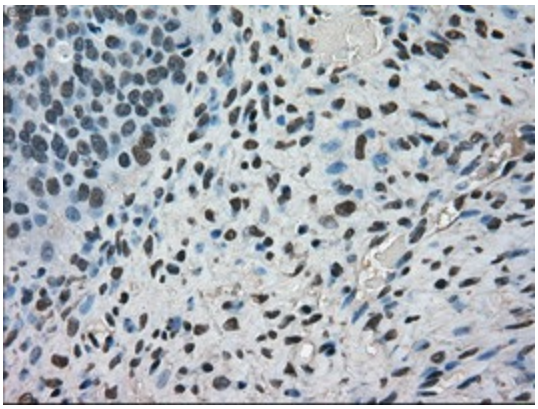


Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-FERMT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500504)



Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-FERMT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500504)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-FERMT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500504)

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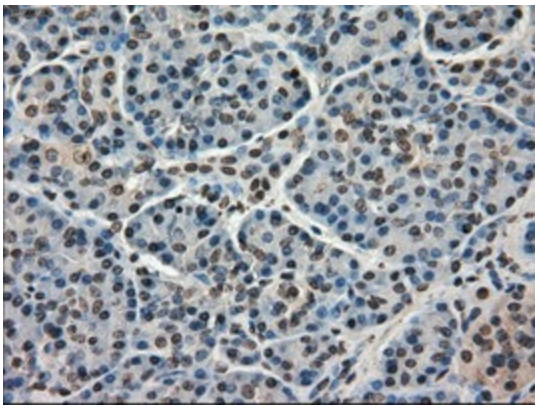
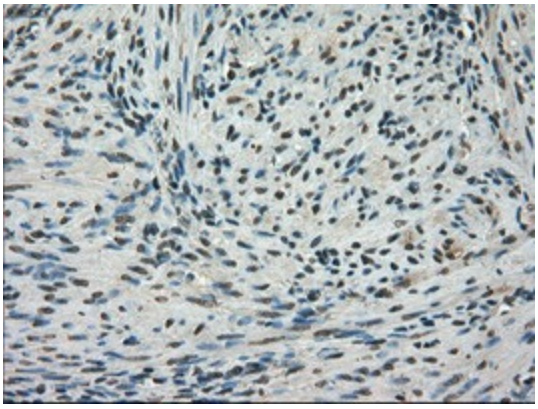
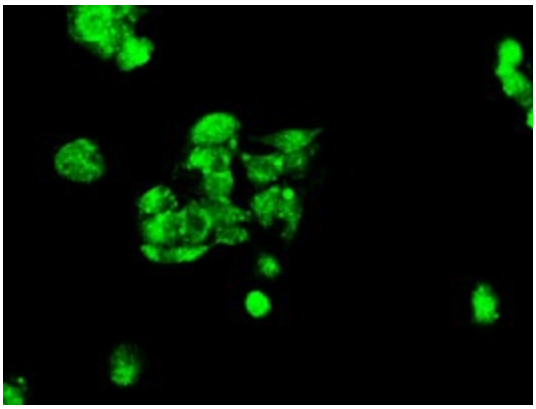


Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-FERMT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500504)



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-FERMT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500504)



Immunofluorescent staining of HepG2 cells using anti-FERMT2 mouse monoclonal antibody (TA500504).

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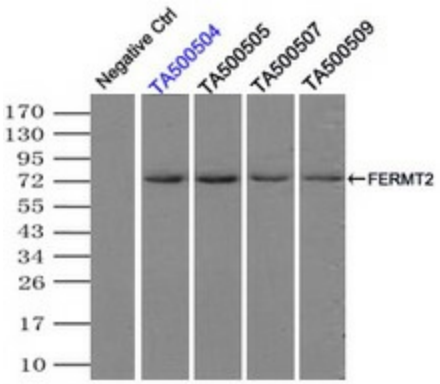

Immunoprecipitation (IP) of FERMT2 by using TrueMab monoclonal anti-FERMT2 antibodies (Negative control: IP without adding anti-FERMT2 antibody.). For each experiment, 500ul of DDK tagged FERMT2 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-FERMT2 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.

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