

## Product datasheet for **CF807994**

### URP2 (FERMT3) Mouse Monoclonal Antibody [Clone ID: OTI2G2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2G2
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 259-528 of human FERMT3(NP_113659) produced in E.coli.
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:	75.2 kDa
Gene Name:	Homo sapiens FERM domain containing kindlin 3 (FERMT3), transcript variant URP2SF, mRNA.
Database Link:	<a href="#">NP_113659</a> <a href="#">Entrez Gene 108101</a> <a href="#">MouseEntrez Gene 309186</a> <a href="#">RatEntrez Gene 83706</a> <a href="#">Human Q86UX7</a>



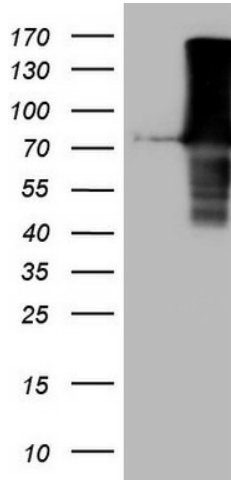
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**Background:**

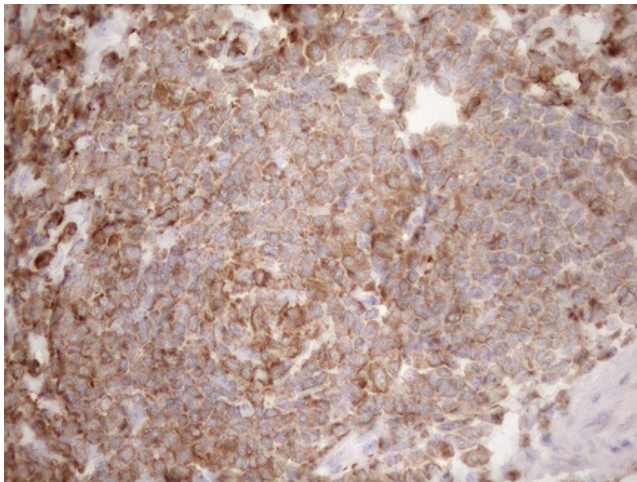
Kindlins are a small family of proteins that mediate protein-protein interactions involved in integrin activation and thereby have a role in cell adhesion, migration, differentiation, and proliferation. The protein encoded by this gene has a key role in the regulation of hemostasis and thrombosis. This protein may also help maintain the membrane skeleton of erythrocytes. Mutations in this gene cause the autosomal recessive leukocyte adhesion deficiency syndrome-III (LAD-III). Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jan 2010]

**Synonyms:**

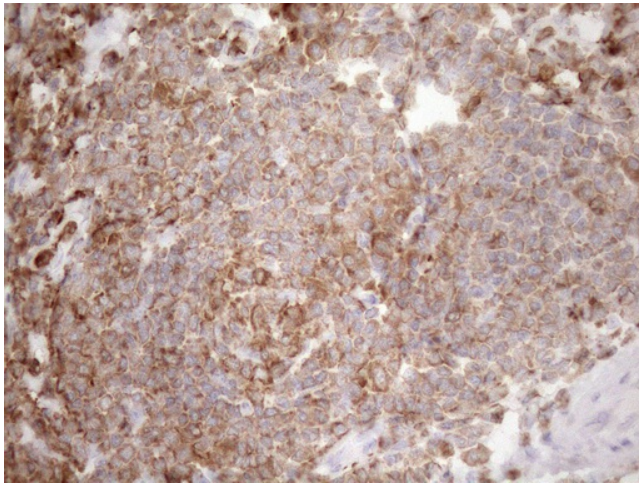
KIND3; MIG-2; MIG2B; UNC112C; URP2; URP2SF

**Product images:**


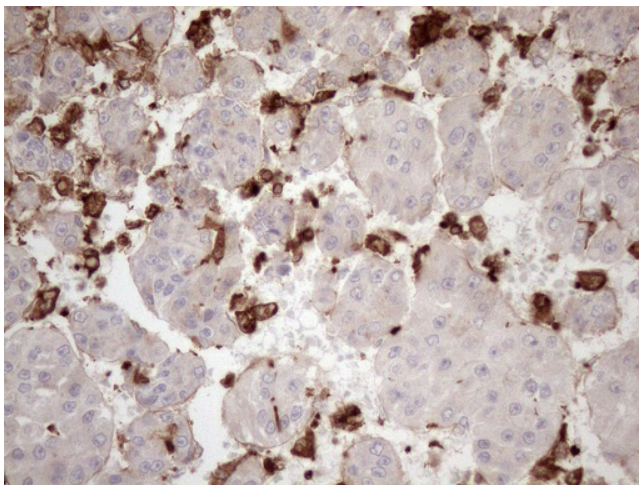
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FERMT3 (Cat# [RC202580], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FERMT3 (Cat# [TA807994])(1:2000). Positive lysates [LY403121] (100ug) and [LC403121] (20ug) can be purchased separately from OriGene.



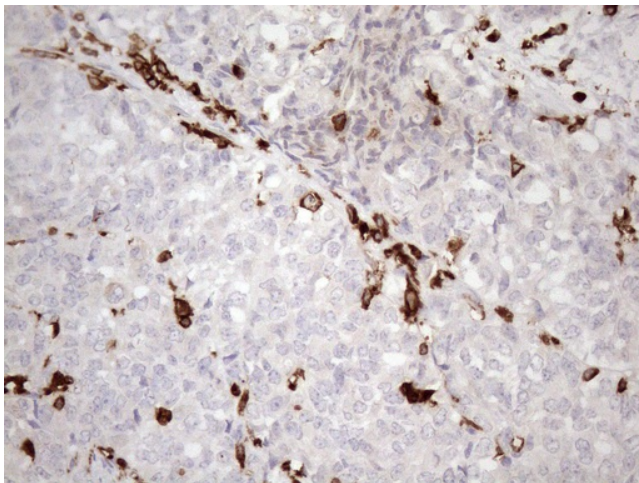
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-FERMT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807994]) (1:150)



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-FERMT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807994]) (1:150)

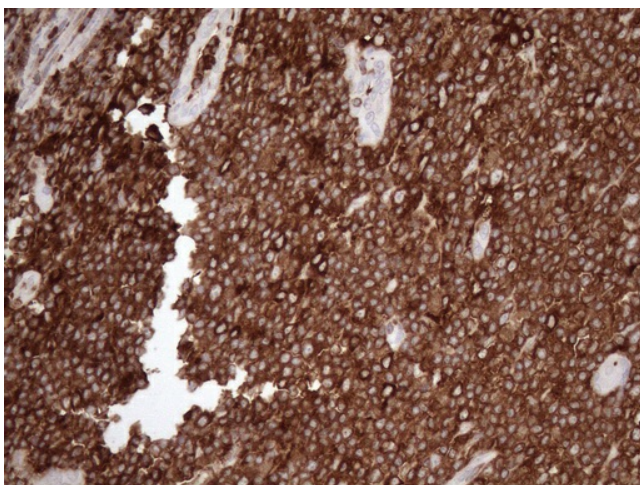


Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-FERMT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807994]) (1:150)

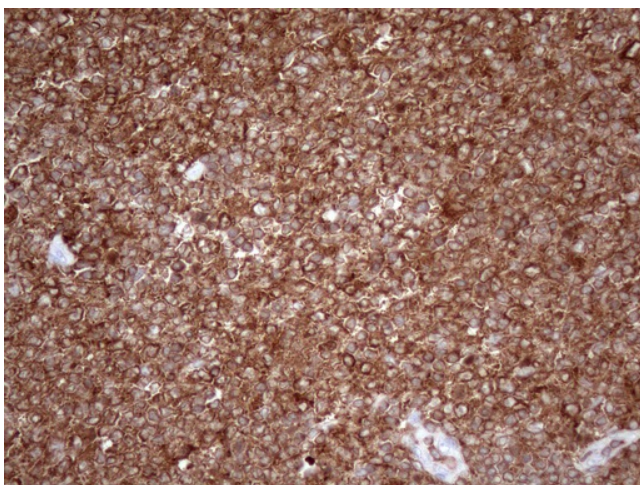


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-FERMT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807994]) (1:150)





Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-FERMT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807994]) (1:150)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-FERMT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807994]) (1:150)