

## Product datasheet for **TA811879M**

### KLF5 Mouse Monoclonal Antibody [Clone ID: OTI2G4]

#### Product data:

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                         |
| Clone Name:             | OTI2G4                                                                                                                                                                     |
| Applications:           | IHC, WB                                                                                                                                                                    |
| Recommended Dilution:   | WB 1:500~2000, IHC 1:500                                                                                                                                                   |
| Reactivity:             | Human, Mouse, Rat                                                                                                                                                          |
| Host:                   | Mouse                                                                                                                                                                      |
| Isotype:                | IgG1                                                                                                                                                                       |
| Clonality:              | Monoclonal                                                                                                                                                                 |
| Immunogen:              | Human recombinant protein fragment corresponding to amino acids 1-457 of human KLF5 (NP_001721) produced in E.coli.                                                        |
| 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: | 50.6 kDa                                                                                                                                                                   |
| Gene Name:              | Kruppel-like factor 5 (intestinal)                                                                                                                                         |
| Database Link:          | <a href="#">NP_001721</a><br><a href="#">Entrez Gene 12224 Mouse</a> <a href="#">Entrez Gene 84410 Rat</a> <a href="#">Entrez Gene 688 Human</a><br><a href="#">Q13887</a> |


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**Background:**

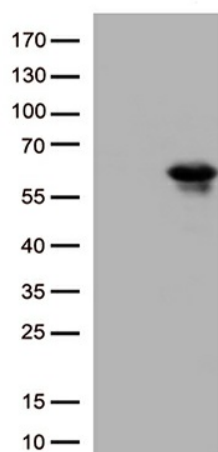
This gene encodes a member of the Kruppel-like factor subfamily of zinc finger proteins. The encoded protein is a transcriptional activator that binds directly to a specific recognition motif in the promoters of target genes. This protein acts downstream of multiple different signaling pathways and is regulated by post-translational modification. It may participate in both promoting and suppressing cell proliferation. Expression of this gene may be changed in a variety of different cancers and in cardiovascular disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]

**Synonyms:**

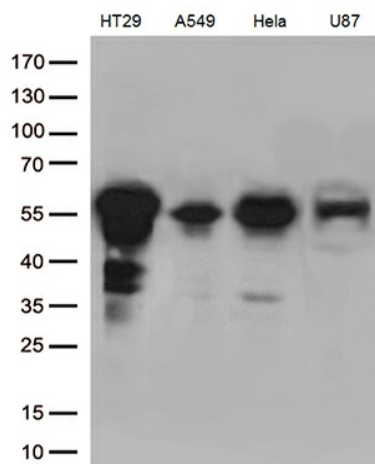
BTEB2; CKLF; IKLF

**Protein Families:**

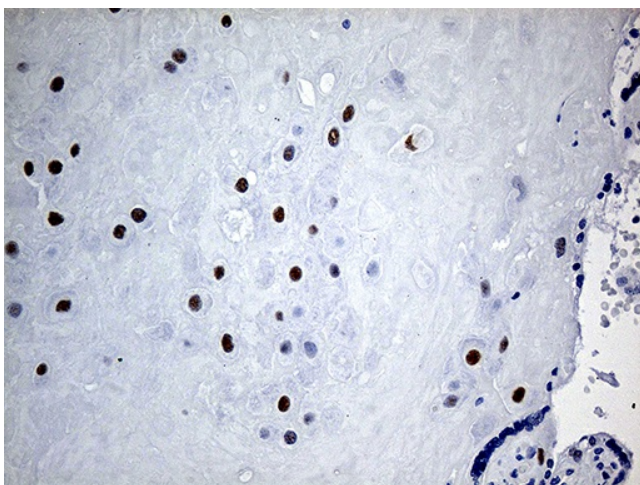
Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY KLF5 ([RC202438], 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-KLF5 (1:500).



Western blot analysis of extracts (35ug) from 4 cell lines by using anti-KLF5 monoclonal antibody (1:500).



Immunohistochemical staining of paraffin-embedded Human placenta tissue within the normal limits using anti-KLF5 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.