

NOMO1 | Validation File

TARGET Nodular Modulator 1 (NOMO1)

There are 3 copies of the NOMO gene on chromosome 16p12-p13: NOMO1, NOMO2 (AC Q5JPE7) and NOMO3 (AC P69849). All 3 are extremely similar, which makes their individual characterization difficult.

CLONE NAME *FATI104A*

DESCRIPTION Rat monoclonal

ANTIGEN USED HIS-GST-NOMO1 (1-542aa)

ISOTYPE IgG2a

SPECIES REACTIVITY human

LOCALIZATION Nuclear and cytoplasmic

POSITIVE CONTROL Tonsil

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide

Purified antibody: PBS plus 1%BSA and 0.02% sodium azide. MAb concentration: 1mg/ml

STORAGE Aliquot and store at 4C. Do not freeze



Recommended



Inconclusive



Not Recommended



Not Tested

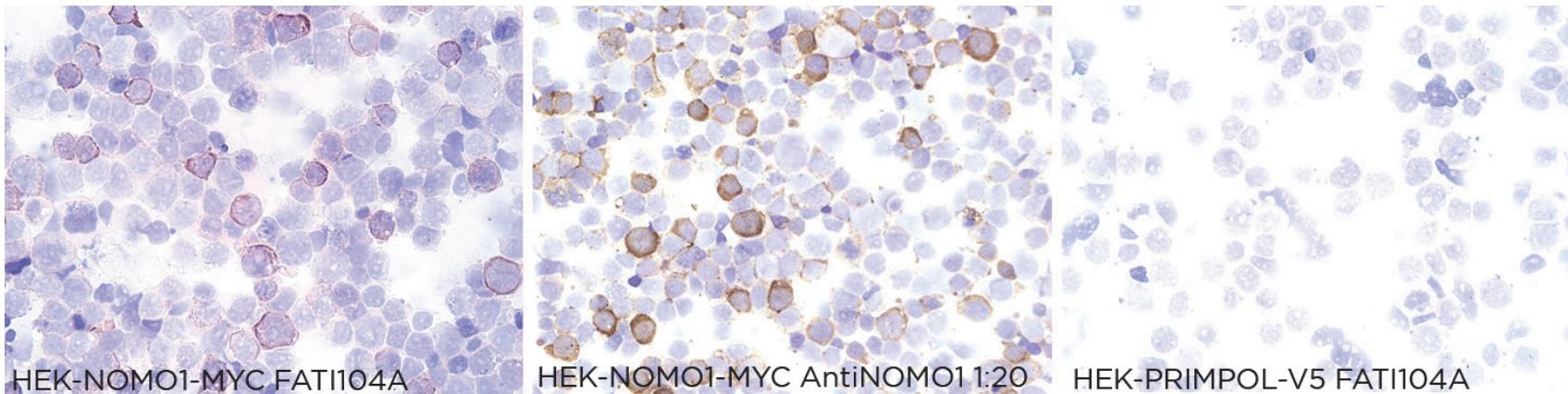
APPLICATIONS

ICC | *Immunocytochemistry*

FATI104A mAb is able to detect human NOMO1 protein in immunocytochemistry

DILUTION neat supernatant

To confirm that FATI104A mAb recognizes human NOMO1 protein, immunocytochemistry on frozen cytospin preparations of human NOMO1 expressed in HEK293 cell line was performed. Anti-NOMO1 was used as positive control. Cytospin preparation of human PRIMPOL protein was used as a negative control.



| WB | ***Western Blotting***

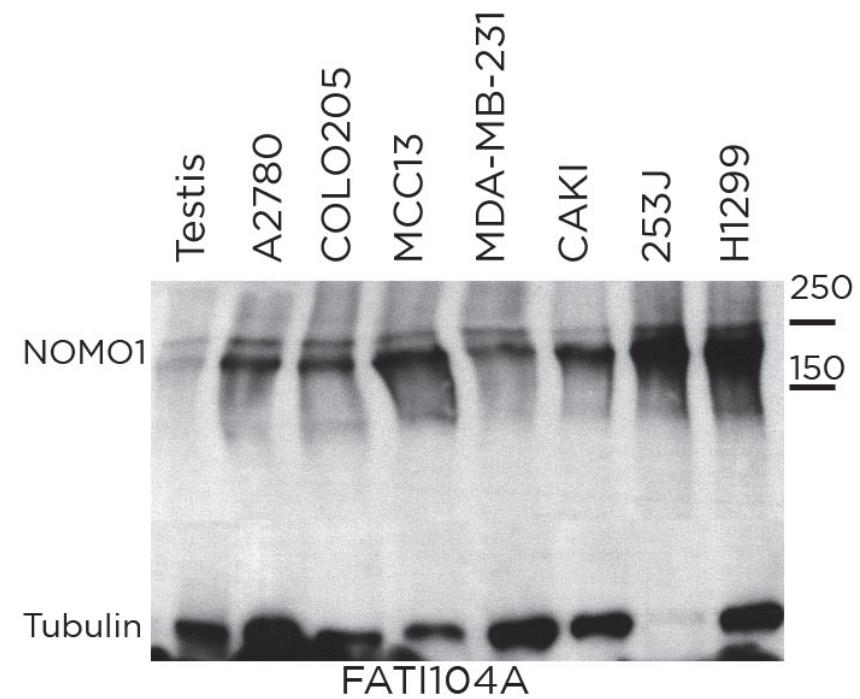
FATI104A mAb is able to detect human NOMO1 protein by WB.

DILUTION neat supernatant

Predicted molecular weight **134kDa**
Observed molecular weight **134kDa**

LANES

Lane 1 Human testis	(100ug)
Lane 2 A2780 cell line	(100ug)
Lane 3 COLO205 cell line	(100ug)
Lane 4 MCC13 cell line	(100ug)
Lane 5 MDA-MB-231	(100ug)
Lane 6 CAKI cell line	(100ug)
Lane 7 253J cell line	(100ug)
Lane 8 H1299 cell line	(100ug)



| IHC-P | **Immunohistochemistry (paraffin)**

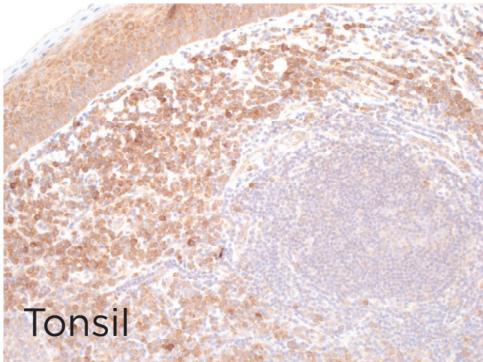
FATI104A mAb can be used to detect NOMO1 protein in human paraffin tissues

TISSUE SAMPLE Human tonsil and colon carcinoma

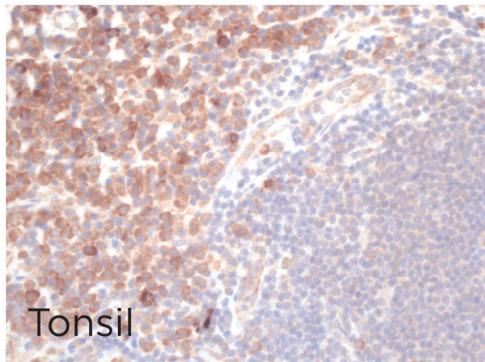
DILUTION 1:2 (supernatant)

ANT. RETRIEVAL 30 minutes ER1 (Tris-EDTA)

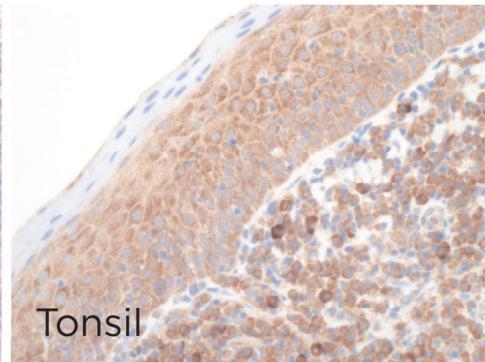
DETECTION SYSTEM Novolink kit (BondMax Leica)



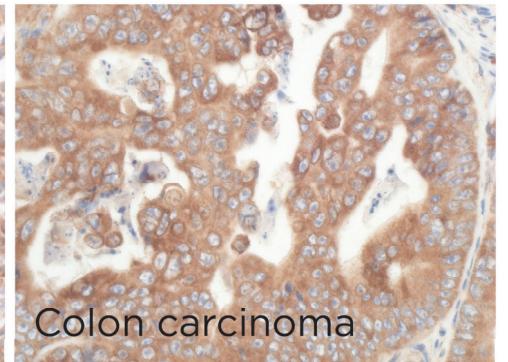
Tonsil



Tonsil



Tonsil



Colon carcinoma

 | IHC-F | **Immunohistochemistry (frozen)** Not tested

 | IF | **Immunofluorescence (paraffin)** Not tested

 | FC | **Flow Cytometry** Not tested

 | IP | **Immunoprecipitation** Not Tested