

TDP2 | Validation File

TARGET hTDP2

CLONE NAME TODO102D

DESCRIPTION Rat monoclonal

ANTIGEN USED HIS-hTDP2 full-length protein

ISOTYPE IgG2a, k

SPECIES REACTIVITY human and mouse

LOCALIZATION nuclear

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

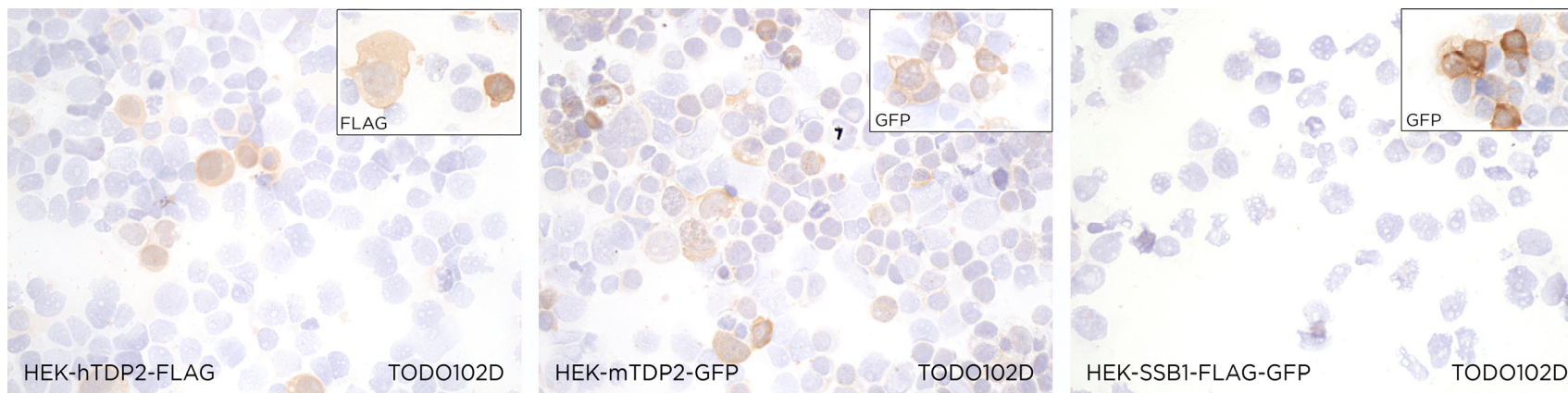
APPLICATIONS

● | ICC | *Immunocytochemistry*

TODO102D is able to detect human and mouse TDP2 protein in immunocytochemistry

DILUTION Neat supernatant

To confirm that TODO102 mAb recognizes human and mouse TDP2 protein, immunocytochemistry on frozen cytospin preparations of hTDP2 and mTDP2 FLAG and GFP tagged were performed. HEK-SSB1 transfected cells were used as negative control.



● | WB | **Western Blotting**

TODO102D is able to detect human and mouse TDP2 protein by WB.

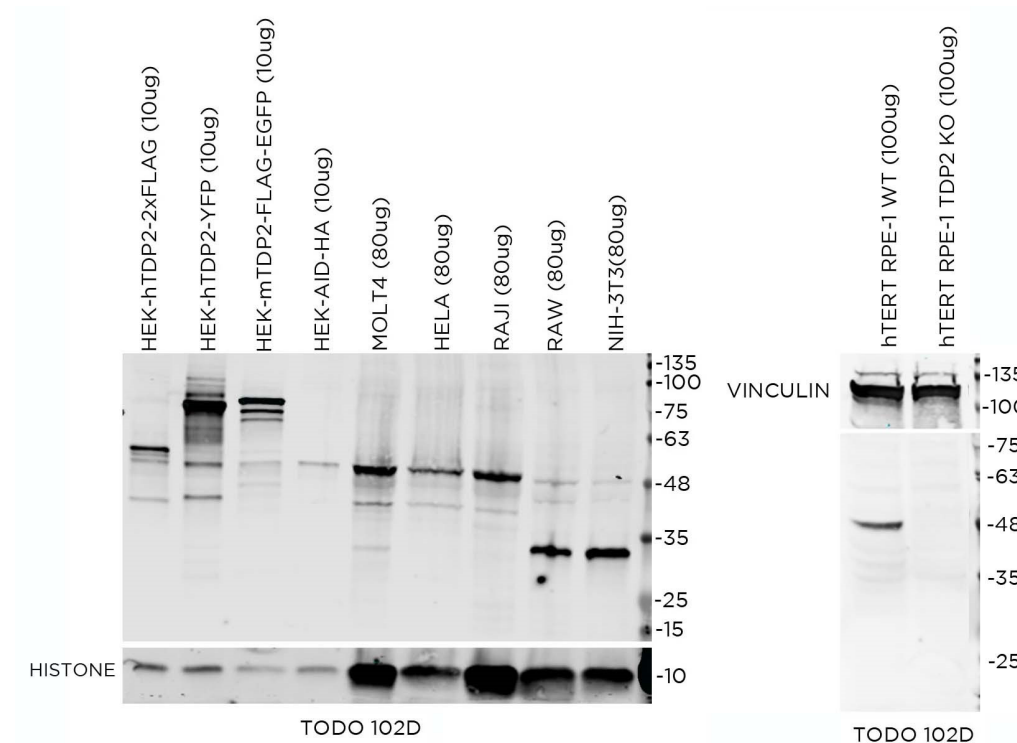
DILUTION Neat supernatant

Predicted molecular weight **40Da**
Observed molecular weight **49kDa**

LANES

Lane 1 HEK-hTDP2-FLAG	(10ug)
Lane 2 HEK-hTDP2-YFP	(10ug)
Lane 3 HEK-mTDP2-EGFP	(10ug)
Lane 4 HEK-AID-HA	(10ug)
Lane 5 MOLT4 cell line	(80ug)
Lane 6 HELA cell line	(80ug)
Lane 7 RAJI cell line	(80ug)
Lane 8 RAW cell line	(80ug)
Lane 9 NIH-3T3 cell line	(80ug)
Lane 10 RPE1 WT cell line	(100ug)
Lane 11 RPE TDP2 KO cell line	(100ug)

Anti-Histone and anti-Vinculin was used as loading controls



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

TODO102D mAb can be used to detect TDP2 protein in human paraffin tissues. More experiments are needed to confirm its specificity in this application

TISSUE SAMPLE Testicle

DILUTION 1:5

ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)

DETECTION SYSTEM Novolink kit (BondMax Leica)



● | IHC-F | **Immunohistochemistry (frozen)** Not Recommended

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

● | FC | **Flow Cytometry** Not tested

● | IP | **Immunoprecipitation** Not Tested