# *TDP2 | Validation File*

***TARGET*** hTDP2
***CLONE NAME*** TODO234D
***DESCRIPTION*** Rat monoclonal
***ANTIGEN USED*** HIS-hTDP2 full-length protein
***ISOTYPE***
***SPECIES REACTIVITY*** human
***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

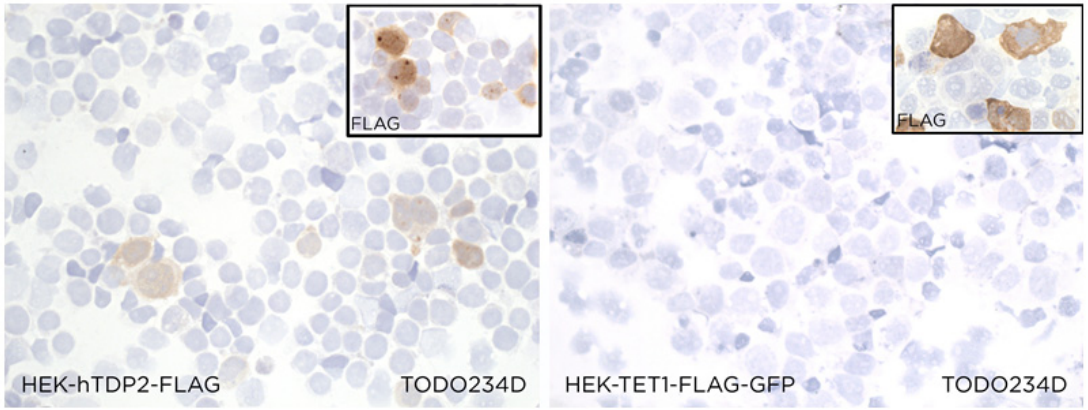
# *APPLICATIONS*

## | ICC | ***Immunocytochemistry***

TODO234D is able to detect human TDP2 protein in immunocytochemistry

DILUTION Neat supernatant

To confirm that TODO234D mAb recognizes human TDP2 protein, immunocytochemistry on frozen cytospin preparations of hTDP2 tagged with FLAG were performed. HEK-TET1 transfected cells were used as negative control.



## | WB | ***Western Blotting***

TODO234D is able to detect human TDP2 protein by WB.

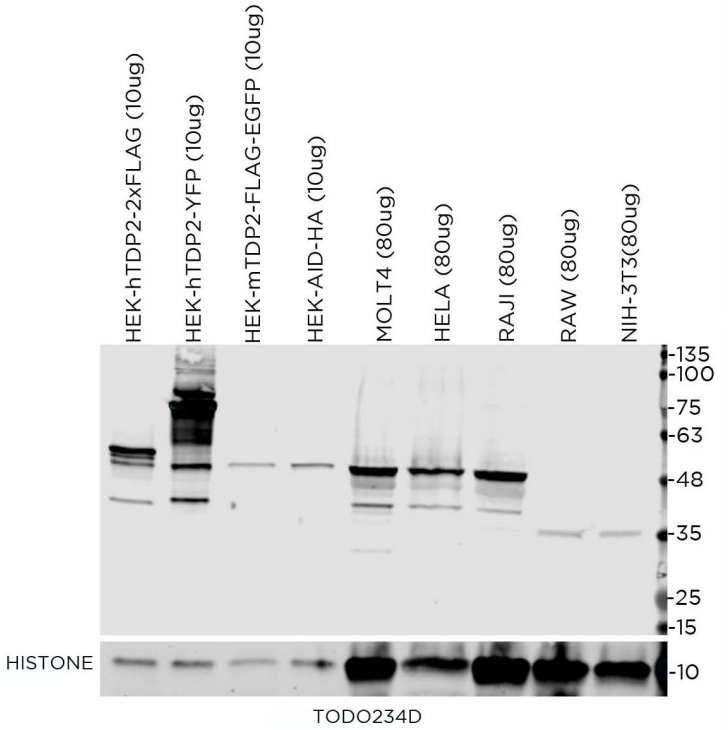
DILUTION Neat supernatant

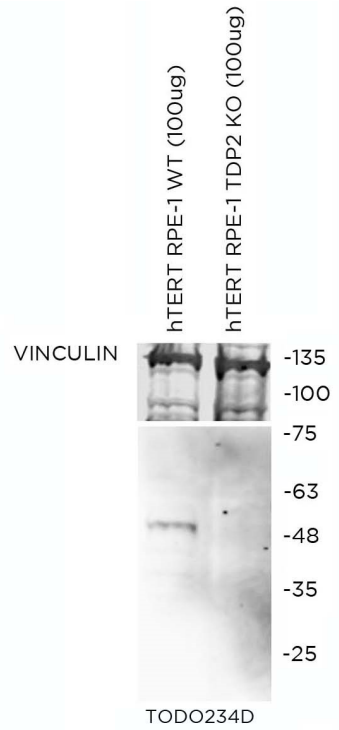
Predicted molecular weight: ***40Da***
Observed molecular weight: ***49kDa***

***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 | (80ug) |
| Lane 6 HELA | (80ug) |
| Lane 7 RAJI | (80ug) |
| Lane 8 RAW | (80ug) |
| Lane 9 NIH-3T3 | (80ug) |
| Lane 10 RPE1 WT | (100ug) |
| Lane 11 RPE TDP2 KO | (100ug) |

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

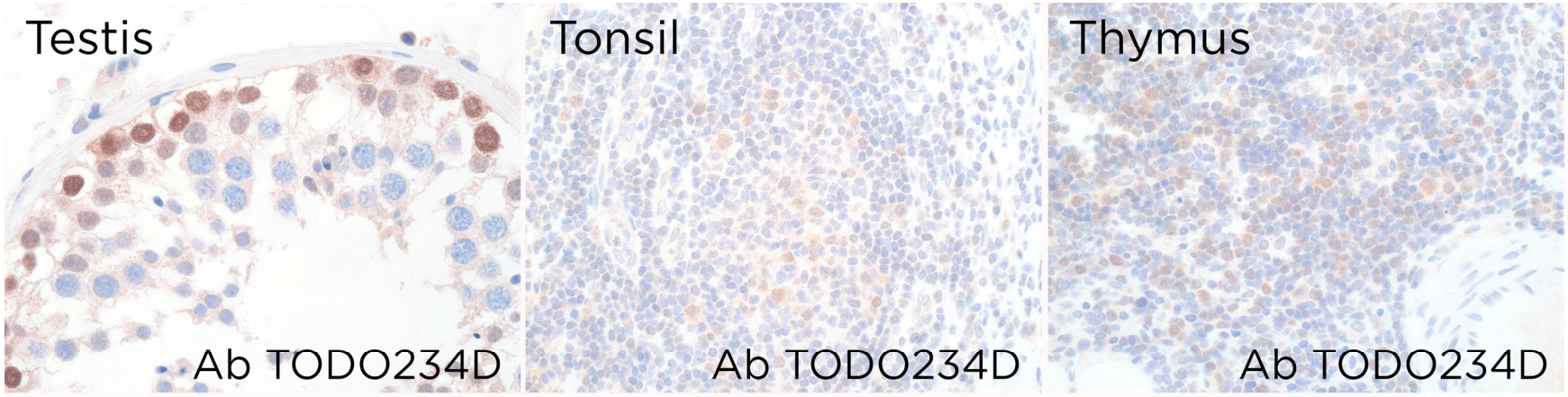


| IHC-P | ***Immunohistochemistry (paraffin)***

TODO234D mAb can be used to detect TDP2 protein in human paraffin tissues

***TISSUE SAMPLE*** Testis, Tonsil and Tymus
***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