TRF1 | Validation File

TARGET TRF1/Telomeric repeat-binding factor 1
CLONE NAME ***EST359A***
DESCRIPTION Rat monoclonal
ANTIGEN USED human
ISOTYPE IgG2a
SPECIES REACTIVITY human
LOCALIZATION nucleus
POSITIVE CONTROL testicle
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

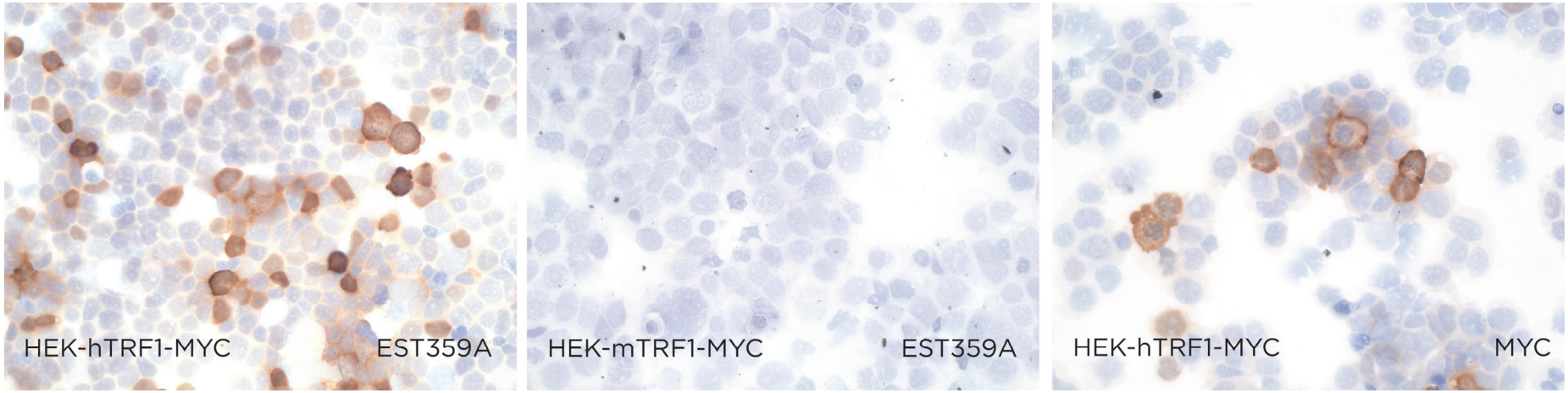
APPLICATIONS

| ICC | *Immunocytochemistry*

EST359A is able to detect TRF1 protein in immunocytochemistry.

DILUTION neat supernatant

To confirm that EST359A mAb recognizes human TRF1 protein, immunocytochemistry on frozen cytospin preparations of human and mouse TRF1 expressed in HEK293 cell line was performed. Anti-MYC was used as positive control.



| WB | ***Western Blotting***

EST359A mAb is able to detect TRF1 protein by WB.

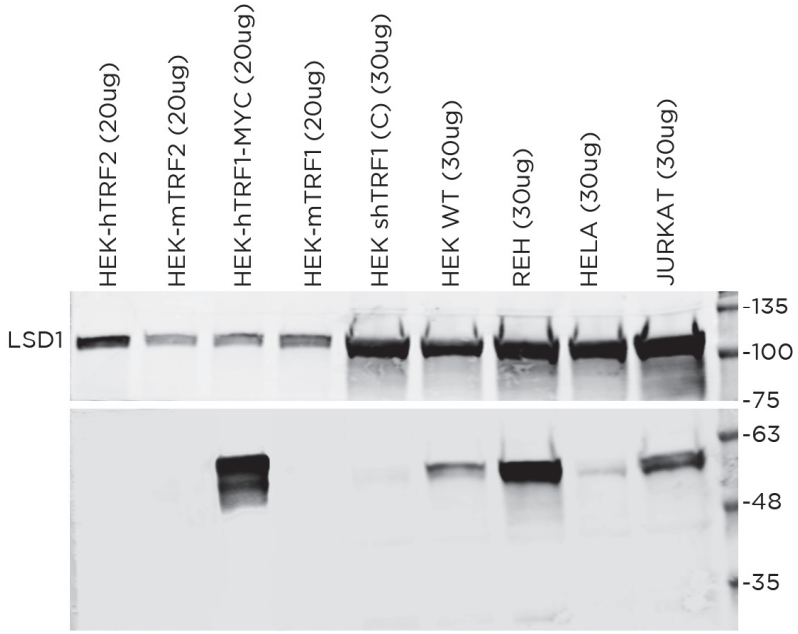
DILUTION neat supernatant

Predicted molecular weight: 5***0kDa***
Observed molecular weight: ***50kDa***

LANES

Lane 1 HEK-hTRF2	(20ug) (-)
Lane 2 HEK-mTRF2	(20ug) (-)
Lane 3 HEK-hTRF1	(20ug) (+)
Lane 4 HEK-mTRF1	(20ug) (-)
Lane 5 HEK-shTRF1	(20ug) (-)
Lane 6 HEK	(30ug) (+)
Lane 7 REH cell line	(30ug) (+)
Lane 8 HELA cell line	(30ug) (+)
Lane 9 Jurkat cell line	(30ug) (+)

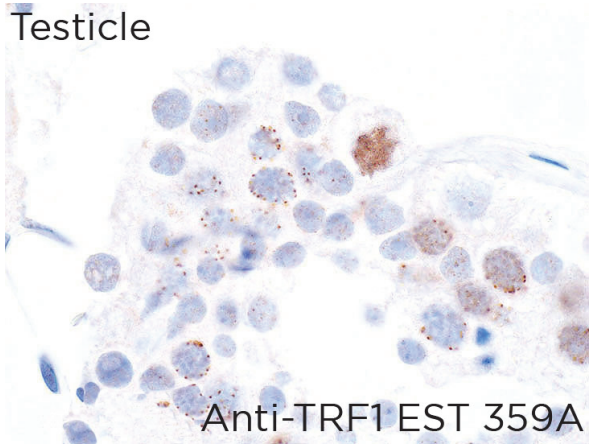
Lanes 1-4 total extracts
Lanes 5-9 nuclear extracts
LSD1 was used as loading control



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

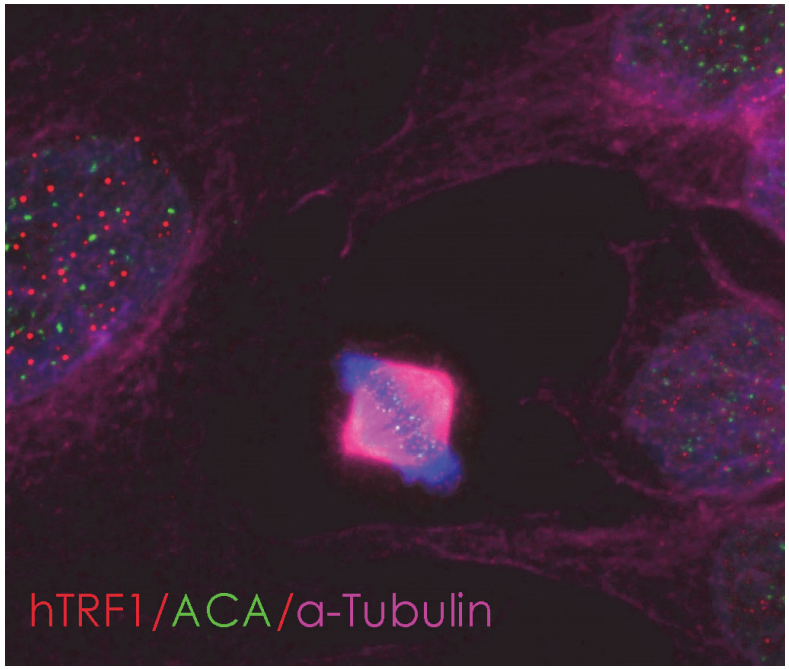
EST359A mAb can be used to detect TRF1 protein in human paraffin tissues

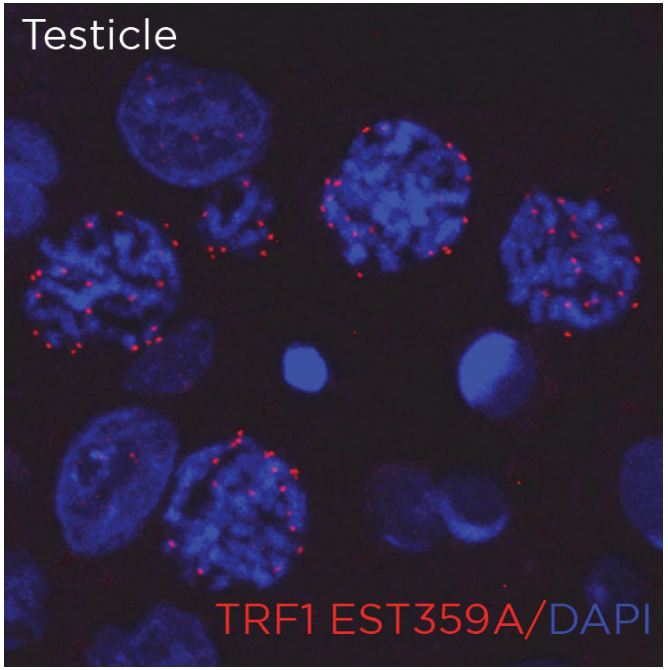
TISSUE SAMPLE testicle
DILUTION neat supernatant
ANT. RETRIEVAL 20 min ER2
DETECTION SYSTEM Bond Max Leica



| IF | ***Immunofluorescence (paraffin)***

TISSUE SAMPLE Hela cell line and human testicle
DILUTION 1:10 neat supernatant





| FC | ***Flow Cytometry*** not tested

| IP | ***Immunoprecipitation*** not tested

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