

## **TRF2 | Validation File**

**TARGET** TRF2/TERF2/Telomeric repeat-binding factor 2

**CLONE NAME** **CARRA219C**

**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

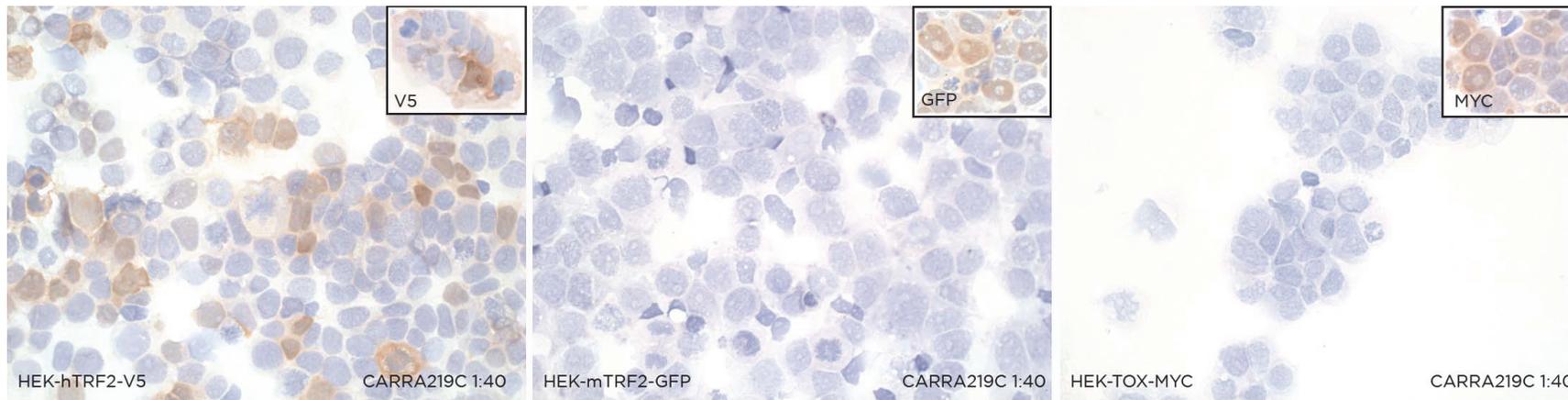
# APPLICATIONS

## ● | ICC | *Immunocytochemistry*

CARRA219C is able to detect TRF2 protein in immunocytochemistry.

DILUTION 1:40 supernatant

To confirm that CARRA219C mAb recognizes human TRF2 protein, immunocytochemistry on frozen cytospin preparations of human and mouse TRF2 expressed in HEK293 cell line was performed. HEK293T-TOX was used as negative control.



| WB | **Western Blotting**

CARRA219C mAb is able to detect TRF2 protein by WB.

DILUTION neat supernatant

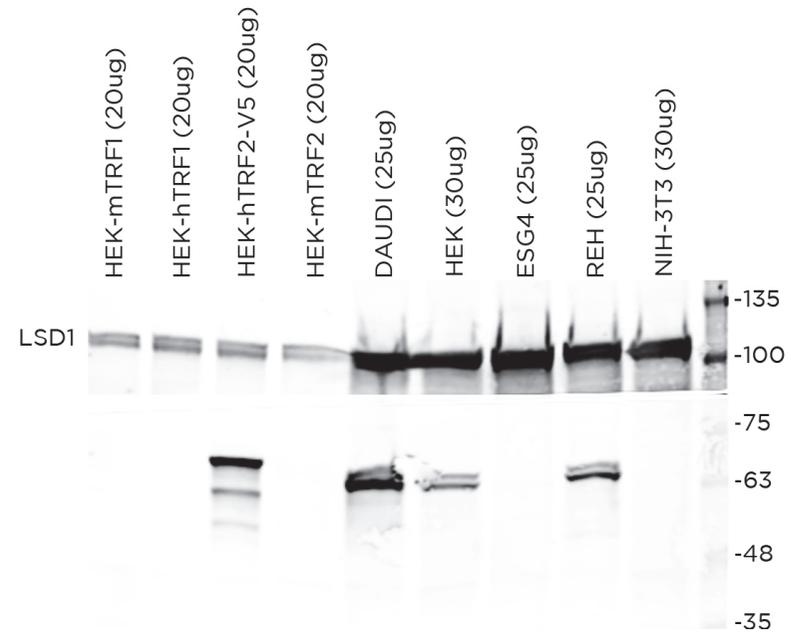
Predicted molecular weight: **59kDa**

Observed molecular weight: **63kDa**

**LANES**

Lane 1	HEK-mTRF1	(20ug)	(-)
Lane 2	HEK-hTRF1	(20ug)	(-)
Lane 3	HEK-hTRF2	(20ug)	(+)
Lane 4	HEK-mTRF2	(20ug)	(-)
Lane 5	DAUDI cell line	(20ug)	(+)
Lane 6	HEK	(30ug)	(+)
Lane 7	ESG4	(30ug)	(-)
Lane 8	REH cell line	(30ug)	(+)
Lane 9	NIH3T3 cell line	(30ug)	(-)

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



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

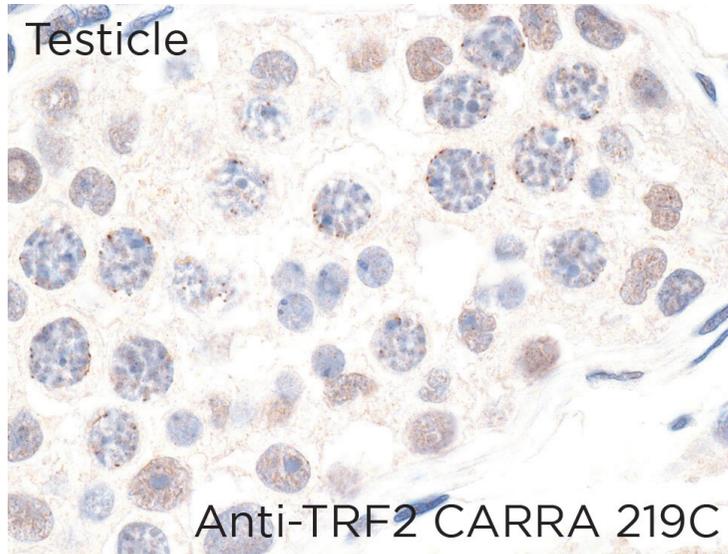
CARRA219C mAb can be used to detect TRF2 protein in human paraffin tissues

**TISSUE SAMPLE** testicle

**DILUTION** 1:5 (supernatant)

**ANT. RETRIEVAL** 20 min ER2

**DETECTION SYSTEM** Bond Max Leica



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

**TISSUE SAMPLE** testicle

**DILUTION** 1:10 (supernatant)



● | IP | **Immunoprecipitation** not tested

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

● | FC | **Flow Cytometry** not teste