TVA | Validation File

TARGET Avian retroviral receptor, for subgroup A (ALV-A)
The tv-a gene is expressed in avian cells. In mammalian cells, that don't naturally express the tv-a gene, it is used in combination with the ASLV-A-derived RCAS (Replication Competent ASLV long terminal repeat with Splice acceptor) vector system.
CLONE NAME PICA187E
DESCRIPTION rat monoclonal
ANTIGEN USED GST-TVA protein and RBL1-TVA transfected cells
ISOTYPE IgG2b
SPECIES REACTIVITY Avian
LOCALIZATION membrane
POSITIVE CONTROL cell lines overexpression TVA tag
STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide
STORAGE Aliquot and store at 4C. Do not freeze

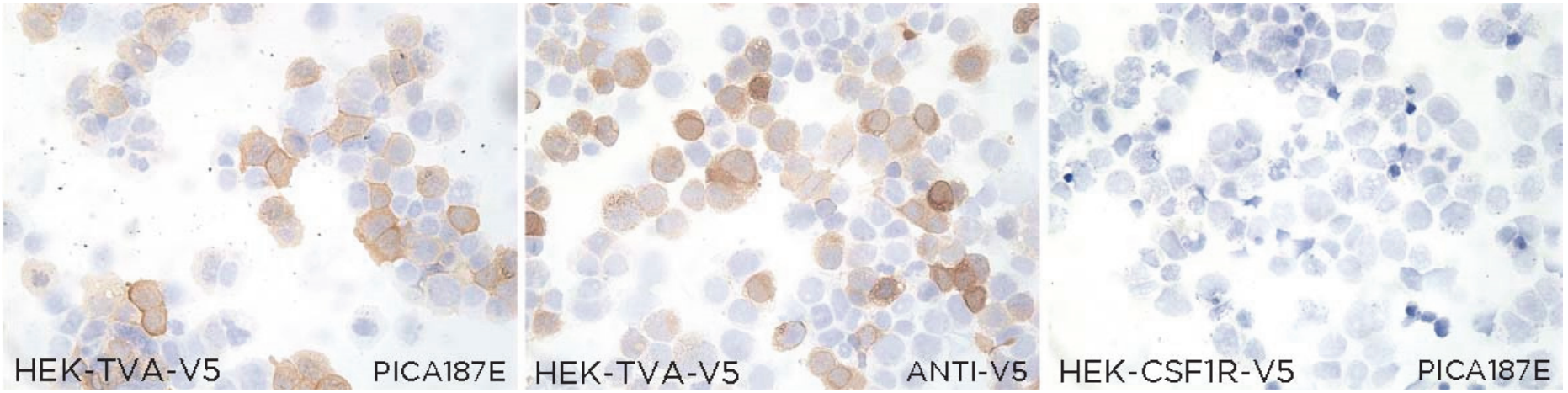
Recommended Inconclusive Not Recommended Not Tested

APPLICATIONS

| ICC | ***Immunocytochemistry***

PICA187E mAb is able to detect TVA protein in immunocytochemistry

To confirm that PICA187E mAb recognizes TVA protein, immunocytochemistry on frozen cytospins preparations of TVA expressed in HEK293T cell line was performed. Anti-V5 antibody was used as positive control. Cytospin preparation of human CSF1R protein was used as a negative control.



| WB | ***Western Blotting***

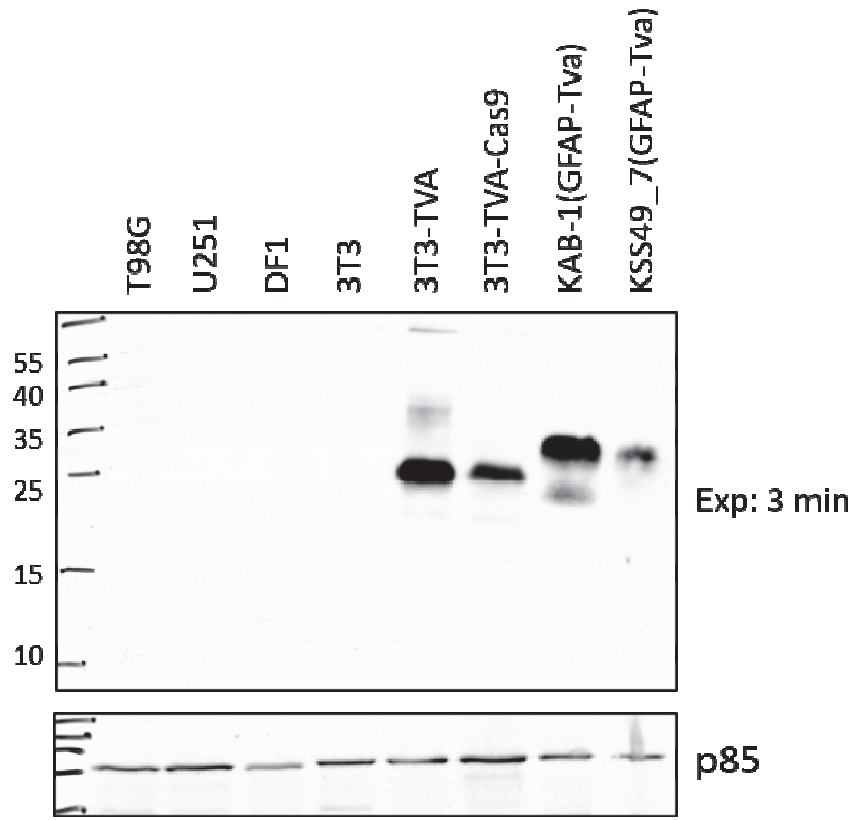
PICA187E mAb is able to detect TVA protein by WB.

DILUTION no dilution (neat supernatant)

Predicted molecular weight: ***13 kDa***
Observed molecular weight: depending of the sample used

LANES

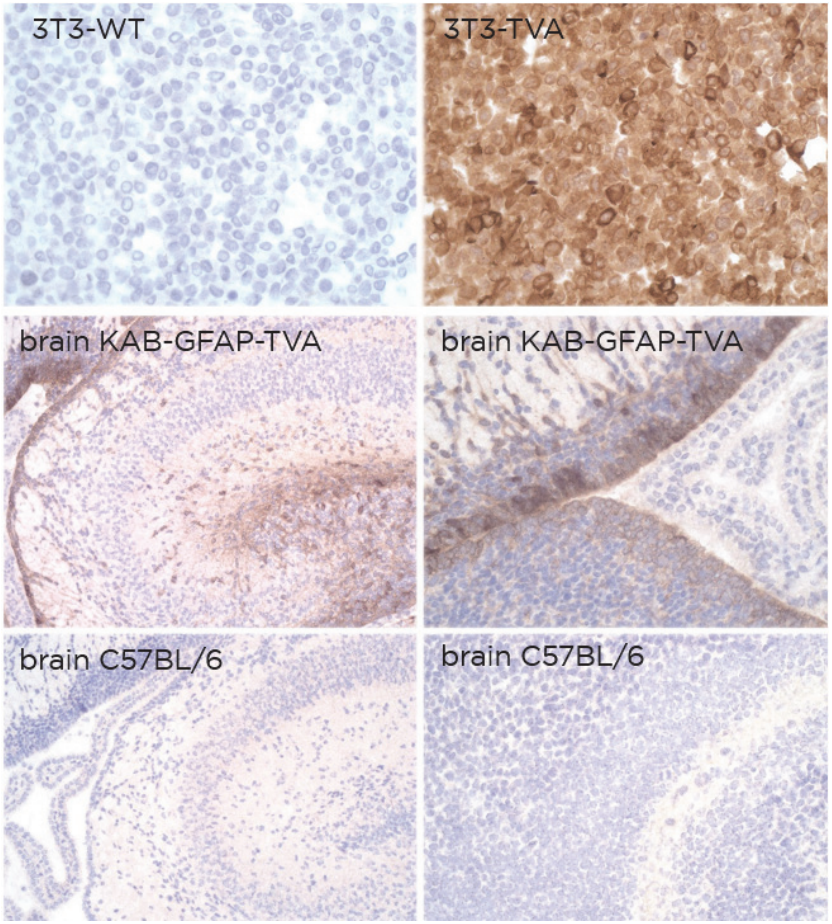
Lane 1 T98G	(30ug) (-)
Lane 2 U251	(30ug) (-)
Lane 3 DF1	(30ug) (-)
Lane 4 3T3	(30ug) (-)
Lane 5 3T3-TVA	(30ug) (+)
Lane 6 3T3-TVA-Cas9	(30ug) (+)
Lane 7 KAB-1 (GFAP-TVA)	(30ug) (+)
Lane 8 KSS49-7 (GFAP-TVA)	(30ug) (+)



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

PICA187E mAb can be used to detect TVA protein in mouse paraffin tissues.

TISSUE SAMPLE 3T3 mouse cell line WT and infected with pLJM-1-TVA-Myc-His lentivirus vector. Brain from a Nestin-tv-a (Ntv-a) transgenic mouse that express the TVA receptor under the control of the rat nestin promoter. Brain from C57BL/6 mouse.
DILUTION 1:5 (supernatant) 40min
ANT. RETRIEVAL High pH
DETECTION SYSTEM Novolink kit polymer + anti-rat vector (BondMax Leica)



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

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

| FC | ***Flow Cytometry*** Not done

| IP | ***Immunoprecipitation*** Not done

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