Cas9 (S. Pyogenes) | ***Validation File***

TARGET CAS9 S. Pyogenes
CLONE NAME KANI345B
DESCRIPTION rat monoclonal
ANTIGEN USED full lenght CAS9-His recombinant protein
ISOTYPE IgG2a
SPECIES REACTIVITY S. Pyogenes
LOCALIZATION membrane, nuclei and cytoplasm
POSITIVE CONTROL CAS9 positive tissue
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

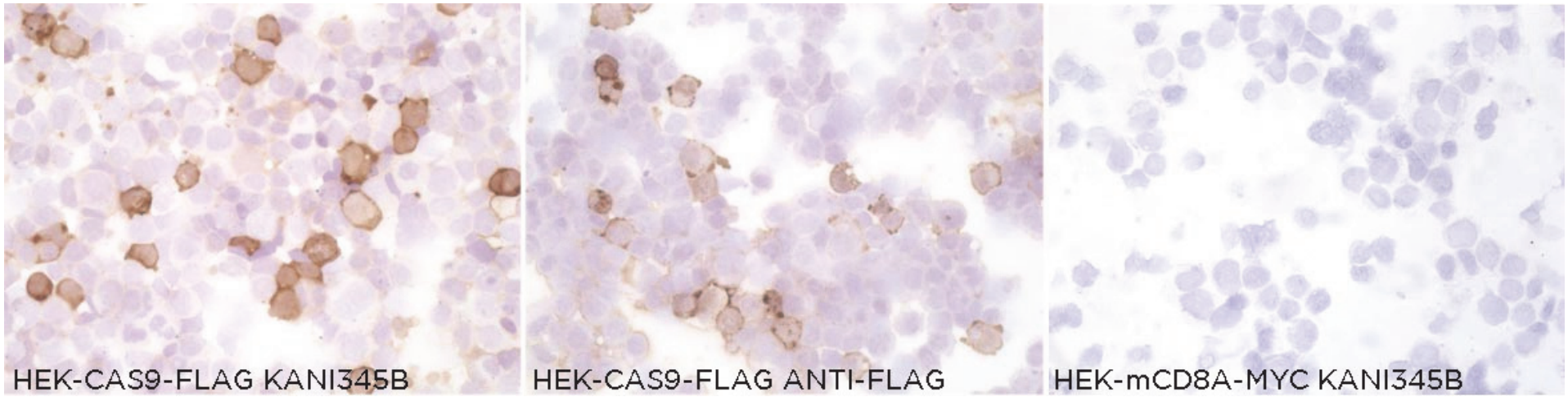
Recommended Inconclusive Not Recommended Not Tested

APPLICATIONS

| ICC | *Immunocytochemistry*

KANI345B mAb is able to detect CAS9 protein in immunocytochemistry
DILUTION no dilution (neat supernatant)

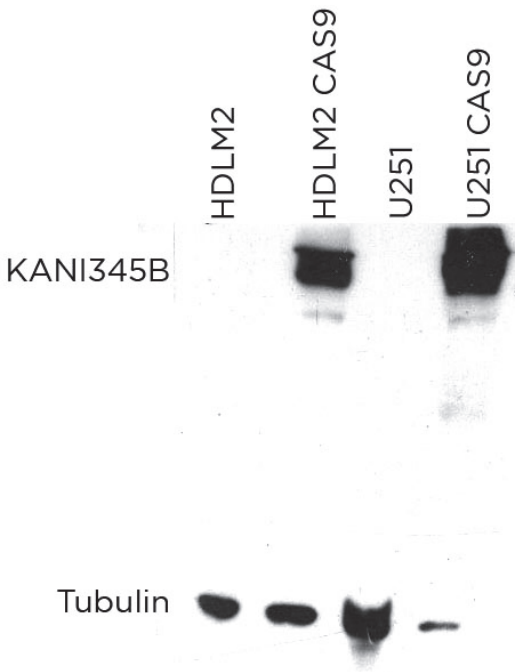
To confirm that KANI345B mAb recognizes CAS9 protein, immunocytochemistry on frozen cytospins preparation of CAS9 expressed in HEK293 cells was performed. Anti-FLAG (SIGMA M2) Ab was used as a positive control. Cytospin preparation of HEK-mCD8A was used as negative control.



| WB | ***Western Blotting***

KANI345B mAb is able to detect CAS9 protein by WB.

DILUTION no dilution (neat supernatant)
1:200 purified antibody



Predicted molecular weight: ***158kDa***
Observed molecular weight: ***158kDa***

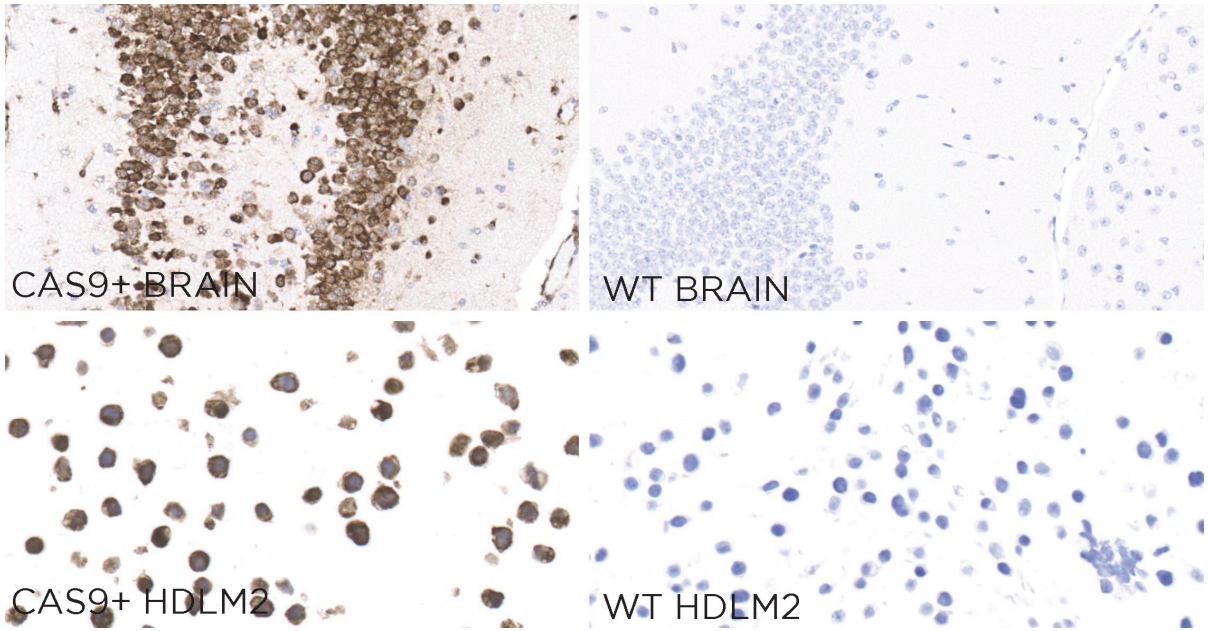
LANES

Lane 1 HDLM2 cell line	(100ug) (-)
Lane 2 HDLM2-CAS9 cell line	(100ug) (+)
Lane 3 U251 cell line	(100ug) (-)
Lane 4 U251-CAS9 cell line	(100ug) (+)

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

KANI345B mAb can be used to detect CAS9 protein in mouse paraffin tissues.

TISSUE SAMPLE Brain from the Rosa26-LSL-Cas9 (LSL-Cas9) knockin mouse and WT mouse brain. HDLM2 cell line (WT and CAS9+).
DILUTION no dilution (neat supernatant)
1:200 purified antibody
ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)
DETECTION SYSTEM OminMap Standard RiboCC No Heat (Ventana)



| IP | ***Immunoprecipitation*** No tested

| IF | ***Immunofluorescence (paraffin)*** No tested

| FC | ***Flow Cytometry*** No tested

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