

EED | *Validation File*

TARGET EED (Embryonic ectoderm development)

CLONE NAME 163C

DESCRIPTION mouse monoclonal

ANTIGEN USED HIS-EED recombinant protein (full length)

ISOTYPE IgG2a

SPECIES REACTIVITY human and mouse

LOCALIZATION nuclear

POSITIVE CONTROL tonsil


STORAGE BUFFER Preservative: Sodium Azide. Constituents: Tissue culture supernatant

STORAGE Aliquot and store at 4C. Do not freeze

 Recommended

 Inconclusive

 Not Recommended

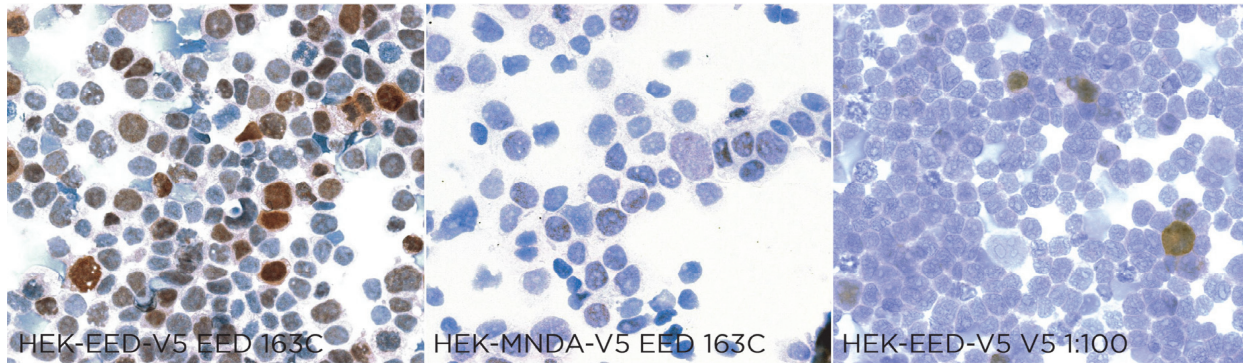
 Not Tested

APPLICATIONS

● | ICC | *Immunocytochemistry*

163C mAb is able to detect human EED protein in immunocytochemistry

To confirm that 163C mAb recognizes human EED protein, immunocytochemistry on frozen cytopins preparations of V5-tagged human EED expressed in HEK293T was performed. Cytopsin preparation of V5-tagged human MND4 protein was used as a negative control. Labeling with the anti-V5 mAb confirmed the efficiency of transfection.



● | WB | **Western Blotting**

163C mAb is able to detect human EED 1 and 2 isoforms protein by WB.

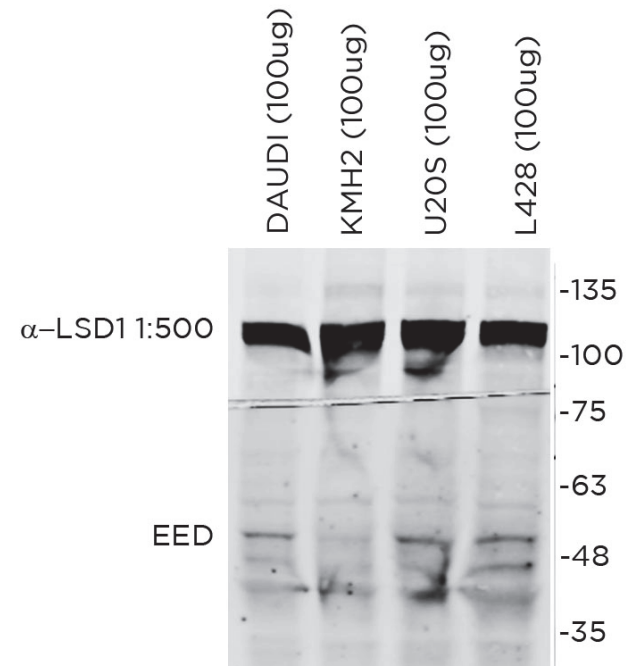
DILUTION no dilution (neat supernatant)

Predicted molecular weight: **45 and 50kDa**
Observed molecular weight: **45 and 50kDa**

LANES

Lane 1 Daudi cell line (200ug) (+)
Lane 2 KMH2 cell line (200ug) (-)
Lane 3 U2OS cell line (200ug) (+)
Lane 4 L428 cell line (200ug) (+)

Anti-LSD1 was used as loading control



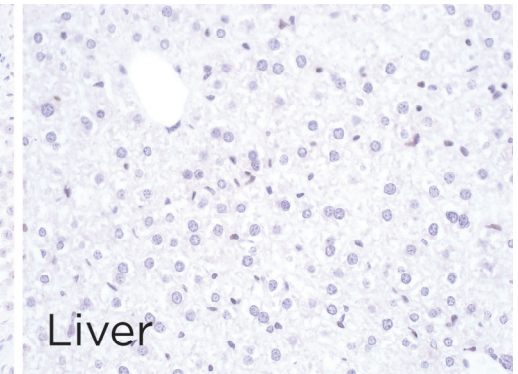
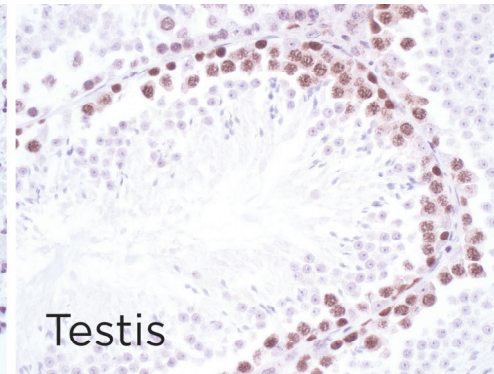
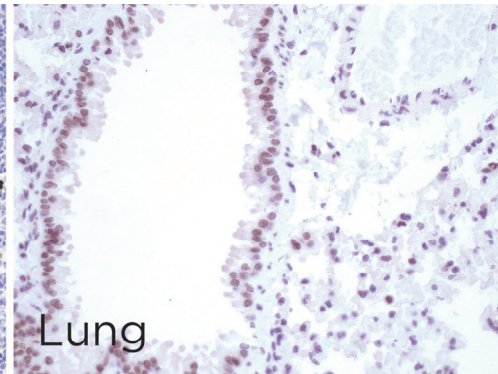
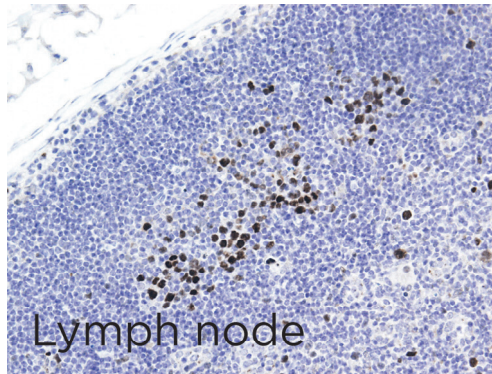
● | M-IHC-P | **Immunohistochemistry (paraffin)**

Antibody **163C** can be used to detect mouse EED protein in human paraffin tissues

TISSUE SAMPLE Mouse lymph node, lung, testicle and liver

DILUTION 1:75 (supernatant)

DETECTION SYSTEM Discovery XT (Ventana) CC1 OmniMap rabbit.



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

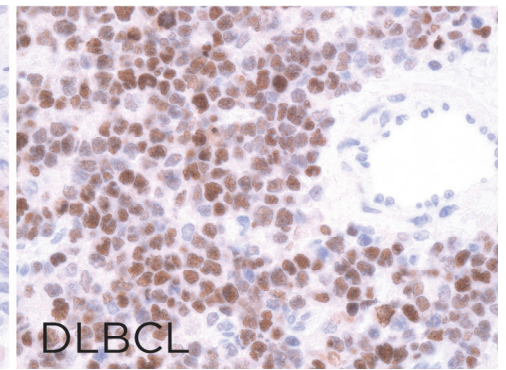
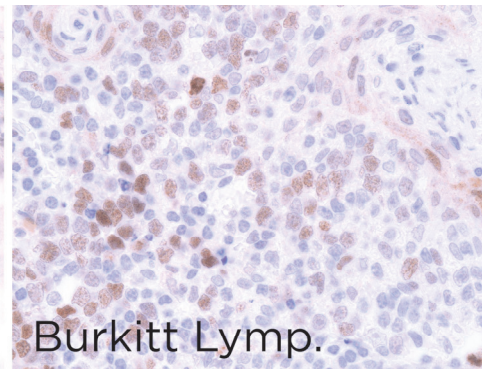
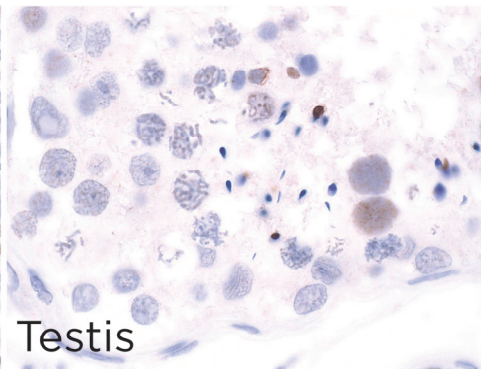
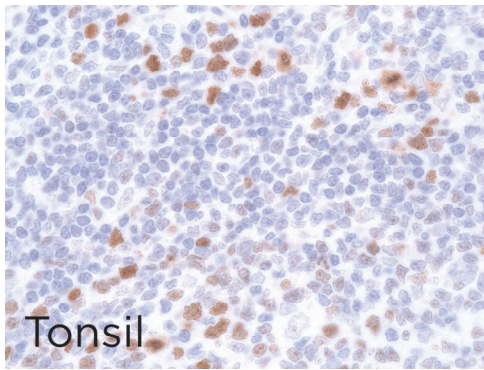
Antibody **163C** can be used to detect human EED protein in human paraffin tissues

TISSUE SAMPLE Human tonsil, testicle, Burkitt lymphoma and Diffuse large cell lymphoma

DILUTION 1:600 (supernatant)

ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)

DETECTION SYSTEM Novolink



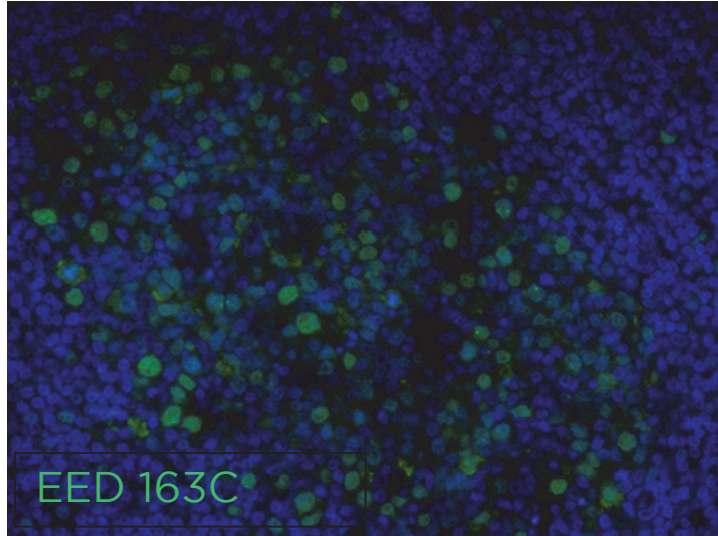
● | IF | **Immunofluorescence (paraffin)**

Antibody 163C can be used to detect human EED protein by immunofluorescence

TISSUE SAMPLE Human tonsil

DILUTION 1:40 (supernatant)

ANT. RETRIEVAL 20 minutes ER2(Tris-EDTA)



● | IP | **Immunoprecipitation** Not tested

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

SOLD BY Abcam and Active Motif

REFERENCES

Jiali Li, Ronald P Hart, Elyse M Mallimo, Mavis R Swerdel, Alexander W Kusnecov, Karl Herrup. EZH2-mediated H3K27 trimethylation mediates neurodegeneration in ataxia-telangiectasia. Nature Neuroscience. 2013.