Data Sheet (Cat.No.TMAC-01570)

Anti-FUBP1 Antibody (1H129)

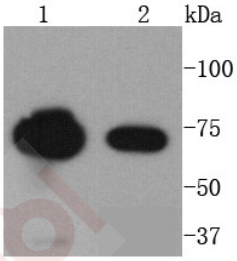
Product Details

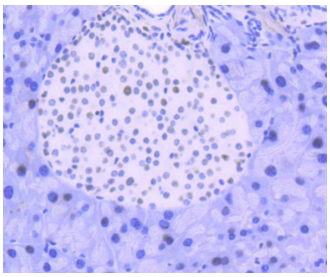
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 74 kDa.
Clone:	1H129
Purification:	ProA affinity purified

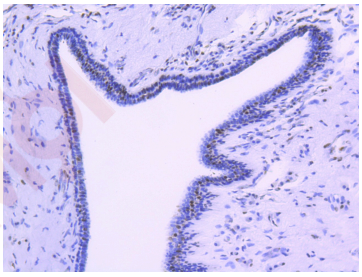
Applications

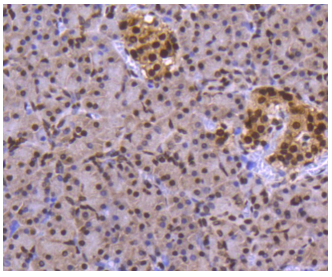
Verified Activity:

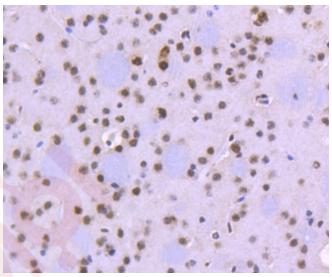
1. Western blot analysis of FUBP1 on different lysates using anti-FUBP1 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: Raji.
2. Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-FUBP1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-FUBP1 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-FUBP1 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-FUBP1 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-FUBP1 antibody. Counter stained with hematoxylin.
7. Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-FUBP1 antibody. Counter stained with hematoxylin.
8. ICC staining FUBP1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. ICC staining FUBP1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
10. ICC staining FUBP1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
11. Flow cytometric analysis of Jurakt cells with FUBP1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

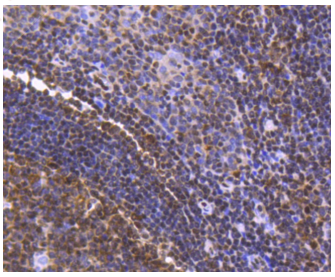


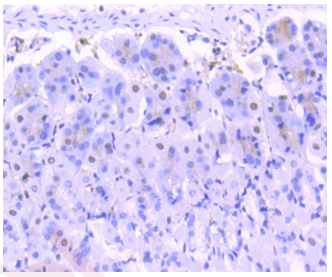


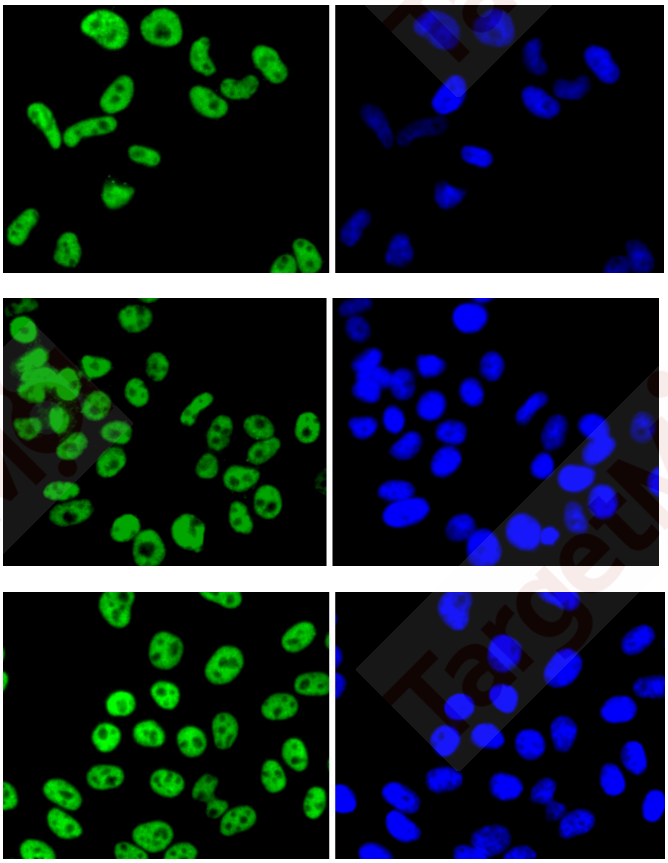


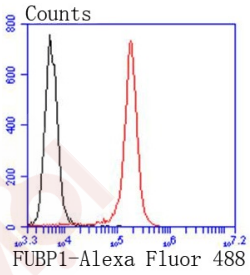












Application: FCM,ICC/IF,IHC,WB

Recommended: WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:100-500; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q96AE4

Synonyms: hDH V;DNA helicase V;FUSE-binding protein 1;FUBP 1;Far upstream element-binding protein 1; FBP

Research Background

Activation of FUSE, the far upstream element, is required for the proper ex-pression of the mammalian gene c-Myc in undifferentiated cells. The binding of FBP1 (FUSE-binding protein or far upstream element-binding protein) to FUSE is necessary for c-Myc expression, indicating that FBP1 functions as a growth-dependent regulator of c-Myc expression. Isolated from proliferating HL-60 cells, FBP1 (FBP), FBP2 and FBP3 comprise a family of single-stranded

DNA-binding proteins that specifically bind to FUSE elements. The FBP transcription factors share a conserved central DNA-binding domain and show significant homology in their carboxyl-terminal activation domains. Expression of FBP1 is detected in undifferentiated cells and is substantially decreased following cellular differentiation.

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