abcam

ab119776

Anti-Hes1 antibody [OTI2D2]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Full Length Protein corresponding to Human HES1. Database link Q14469
Clone number	OTI2D2
Purity	Tissue culture supernatant
Purification notes	Purified from TCS.

Reactivity data

WB

Tested

Species	Transfected cell lysate
Dilution info	-
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Transfected cell line
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Human, Transfected cell lysate, Transfected cell line
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Transfected cell line
Dilution info	-
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Transfected cell lysate
Dilution info	-

Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Not recommended

Species	Transfected cell lysate, Transfected cell line
Dilution info	-
Notes	-

Target data

See full target information HES1

Function	Transcriptional repressor of genes that require a bHLH protein for their transcription. May act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. Binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity (By similarity). May play a role in a functional FA core complex response to DNA cross-link damage, being required for the stability and nuclear localization of FA core complex proteins, as well as for FANCD2 monoubiquitination in response to DNA damage.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Dilute in PBS (pH7.3) before use.

This product was changed from ascites to tissue culture supernatant on the 4th of June 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

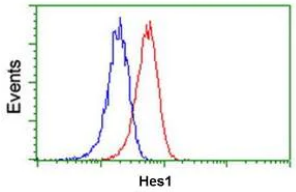
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

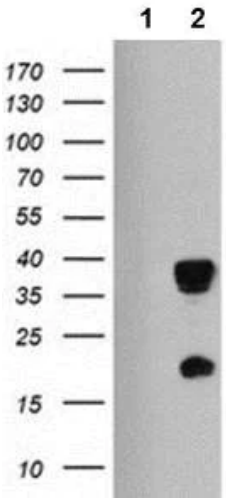
3 product images



Flow Cytometry (Intracellular) - Anti-Hes1 antibody [OTI2D2] (ab119776)

Hes1 Flow Cytometry (Intracellular) staining using mouse Anti-Hes1 antibody

ab119776, at 1/100 dilution, staining Hes1 (red) in Jurkat cells, compared to a nonspecific negative control antibody,(blue) by Flow cytometry (Intracellular).
This image was generated using the ascites version of the product.



Western blot - Anti-Hes1 antibody [OTI2D2] (ab119776)

Hes1 Western blot staining using mouse Anti-Hes1 antibody

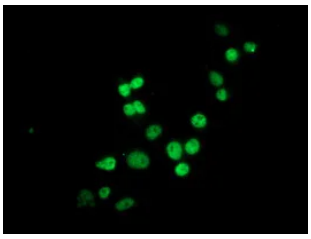
HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC211709)
This image was generated using the ascites version of the product.

All lanes:
Western blot - Anti-Hes1 antibody [OTI2D2] (ab119776) at 1/2000 dilution

Lane 1:
HEK293T cell lysate transfected with pCMV6-ENTRY control cDNA at 5 µg

Lane 2:
HEK293T cell lysate transfected with pCMV6-ENTRY Hes1 cDNA at 5 µg

Predicted band size: 30 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Hes1 antibody [OTI2D2] (ab119776)

Hes1 Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Hes1 antibody

ab119776, at 1/100 dilution, staining Hes1 in COS7 cells transiently transfected with pCMV6-ENTRY Hes1 cDNA by Immunofluorescence.
This image was generated using the ascites version of the product.

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