Datasheet for ABIN2777527

anti-HES1 antibody (C-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	HES1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Guinea Pig, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HES1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Rat
Sequence:	AFLIPNGAFA HSGPVIPVYT SNSGTSVGPN AVSPSSGSSL TADSMWRPWR
Predicted Reactivity:	Cow: 100%, Guinea Pig: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against Hes1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HES1
Alternative Name:	Hes1 (HES1 Products)
Background:	Hes1 is the transcriptional repressor of genes that require a bHLH protein for their transcription.

Target Details

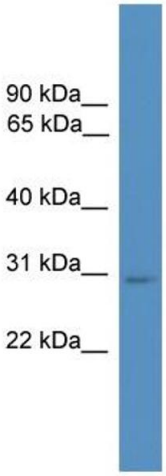
	Hes1 may act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. Hes1 binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity. Alias Symbols: Hes1 Protein Interaction Partner: Polr2a, Kat2b, Sfpq, Src, Crebbp, Parp1, Camk2a, Protein Size: 281
Molecular Weight:	30 kDa
Gene ID:	29577
NCBI Accession:	NM_024360, NP_077336
UniProt:	Q04666
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 281 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-Hes1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Rat Kidney