Datasheet for ABIN2779093

anti-Pre-mRNA Branch Site Protein p14 (SF3B14) (Middle Region) antibody

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Overview

Quantity:	100 µL
Target:	Pre-mRNA Branch Site Protein p14 (SF3B14)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SF3B14
Sequence:	HLSGFNVCNR YLVVLYYNAN RAFQKMDTKK KEEQLKLLKE KYGINTDPPK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against SF3B14. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Pre-mRNA Branch Site Protein p14 (SF3B14)

Target Details

Alternative Name:	SF3B14 (SF3B14 Products)
Background:	SF3B14 is a 14 kDa protein subunit of the splicing factor 3b complex. Splicing factor 3b associates with both the U2 and U11/U12 small nuclear ribonucleoprotein complexes (U2 snRNP) of spliceosomes. This 14 kDa protein interacts directly with subunit 1 of the splicing factor 3b complex. SF3B14 also interacts directly with the adenosine that carries out the first transesterification step of splicing at the pre-mRNA branch site.This gene encodes a 14 kDa protein subunit of the splicing factor 3b complex. Splicing factor 3b associates with both the U2 and U11/U12 small nuclear ribonucleoprotein complexes (U2 snRNP) of spliceosomes. This 14 kDa protein interacts directly with subunit 1 of the splicing factor 3b complex. This 14 kDa protein also interacts directly with the adenosine that carries out the first transesterification step of splicing at the pre-mRNA branch site. Alias Symbols: CGI-110, HSPC175, Ht006, P14, SAP14, SF3B14a Protein Interaction Partner: UBC, WWOX, SUZ12, EED, PAN2, ITGA4, FN1, SF3B1, VCAM1, SF3B5, THOC6, WDR18, TRA2A, PRPF19, RBMX, SF3B3, PUF60, DHX15, RCC1, APP, U2AF2, ZNF326, ZC3H18, FTSJ3, PHF5A, TRIM55, SF3B2, UTP14A, USP39, PRPF8, BCAS2, SF3B4, THRAP3, EFTUD2, SRSF11, SART1, VTN, U2 Protein Size: 125
Molecular Weight:	14 kDa
Gene ID:	51639
NCBI Accession:	NM_016047, NP_057131
UniProt:	Q7RTV0

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 125 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.

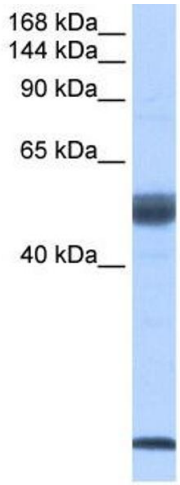
Handling

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.

Publications

Product cited in:	Huang, Ma, Li, Yu, Zhang, Wei, Jin, Xu, Gao, Huang: "NF-κB1 inhibits c-Myc protein degradation through suppression of FBW7 expression." in: **Oncotarget**, Vol. 5, Issue 2, pp. 493-505, (2014) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-SF3B14 Antibody Titration: 0.2-1 ug/ml Positive Control: Human Placenta