

Datasheet for ABIN2788862
anti-EIF5B antibody (Middle Region)

2 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	EIF5B
Binding Specificity:	Middle Region
Reactivity:	Human, Dog, Horse, Cow, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF5B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	SEGSEGDEED EKVSDEKDSG KTLDDKKPSKE MSSDSEYDSD DDRTKEERAY
Predicted Reactivity:	Cow: 86%, Dog: 86%, Horse: 86%, Human: 100%, Pig: 93%, Rabbit: 93%
Characteristics:	This is a rabbit polyclonal antibody against EIF5B. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	EIF5B
Alternative Name:	EIF5B (EIF5B Products)
Background:	Accurate initiation of translation in eukaryotes is complex and requires many factors, some of which are composed of multiple subunits. The process is simpler in prokaryotes which have

Target Details

only three initiation factors (IF1, IF2, IF3). Two of these factors are conserved in eukaryotes: the homolog of IF1 is eIF1A and the homolog of IF2 is eIF5B. This gene encodes eIF5B. Factors eIF1A and eIF5B interact on the ribosome along with other initiation factors and GTP to position the initiation methionine tRNA on the start codon of the mRNA so that translation initiates accurately.

Alias Symbols: DKFZp434I036, FLJ10524, IF2, KIAA0741

Protein Interaction Partner: TP53, TFCEP2, UBC, LGR4, YBX3, ETS1, MMS19, FN1, CSNK2A1, PAXIP1, ECT2, BRCA1, EIF3C, CAND1, YWHAZ, SIRT7, HDGF, Mapk13, POU5F1, ZBTB3, PRKAA1, EIF1AX, CBL, gag,

Protein Size: 1220

Molecular Weight:	139 kDa
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Gene ID:	9669
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NCBI Accession:	NM_015904 , NP_056988
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UniProt:	O60841
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 1220 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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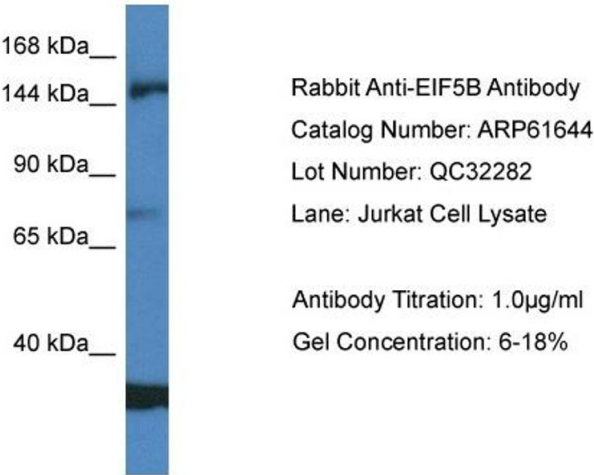
Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-20 °C
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Handling

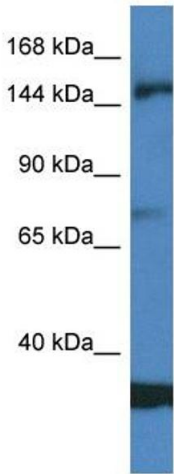
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.



Western Blotting

Image 2. WB Suggested Anti-EIF5B Antibody Titration: 1.0 µg/mL

Positive Control: Jurkat Whole Cell

EIF5B is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells