SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HEMK2 antibody

Catalog Number: SL15453R

FOR RESEARCH USE ONLY

[DATASHEET]

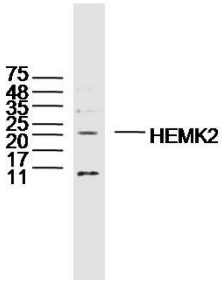
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HEMK2
Immunogen:	KLH conjugated synthetic peptide derived from human HEMK2: 1-100/214
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Horse,Sheep)
Predicted MW.:	23kDa
Subcellular Location:	cytoplasmic
Background:	HEMK2 is a 214 amino acid protein that belongs to the methyltransferase superfamily and exists as multiple alternatively spliced isoforms. The gene encoding HEMK2 maps to human chromosome 21, which houses approximately 300 genes and comprises nearly 1.5% of the human genome. Chromosome 21-associated disorders include Alzheimer's disease, amyotrophic lateral sclerosis and, most notably, Down syndrome (also known as trisomy 21). **Function:** Heterodimeric methyltransferase that catalyzes N5-methylation of ETF1 on 'Gln-185', using S-adenosyl L-methionine as methyl donor. ETF1 needs to be complexed to ERF3 in its GTP-bound form to be efficiently methylated. May play a role in the modulation of arsenic-induced toxicity. May be involved in the conversion of monomethylarsonous acid (3+) into the less toxic dimethylarsonic acid. **Subunit:** Heterodimer with TRMT112. **Tissue Specificity:** Widely expressed, with highest expression in parathyroid

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	and pituitary glands, followed by adrenal gland and kidney, and lowest expression in leukocytes and mammary gland. **Similarity:** Belongs to the eukaryotic/archaeal PrmC-related family. **Database links:** **Entrez Gene:** 29104 Human Omim: 614553 Human **SwissProt:** Q9Y5N5 Human **Unigene:** 163846 Human

[VALIDATION IMAGES]



Sample: A549 Cell (Human) Lysate at 30 ug
Primary: Anti-HEMK2 (SL15453R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 23kD
Observed band size: 23kD

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