

#5926 Store at -20C**DHX29 (D19E10) Rabbit mAb****Cell Signaling**
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M Mk	Endogenous	155	Rabbit IgG	#Q7Z478	54505

Product Usage Information**Application**Western Blotting
Immunoprecipitation**Dilution**1:1000
1:50**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity / Sensitivity

DHX29 (D19E10) Rabbit mAb recognizes endogenous levels of total DHX29 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human DHX29 protein.

Background

DHX29 is an ATP-dependent RNA helicase that belongs to the DEAD-box helicase family (DEAH subfamily). DHX29 contains one central helicase and one helicase at the carboxy-terminal domain (1). Its function has not been fully established but DHX29 was recently shown to facilitate translation initiation on mRNAs with structured 5' untranslated regions (2). DHX29 binds 40S subunits and hydrolyzes ATP, GTP, UTP, and CTP. Hydrolysis of nucleotide triphosphates by DHX29 is strongly stimulated by 43S complexes and is required for DHX29 activity in promoting 48S complex formation (2).

Background References

- de la Cruz, J. et al. (1999) *Trends Biochem Sci* 24, 192-8.
- Pisareva, V.P. et al. (2008) *Cell* 135, 1237-50.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.**Applications Key****WB:** Western Blotting **IP:** Immunoprecipitation**Cross-Reactivity Key****H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse **GP:** Guinea Pig **Rab:** rabbit **All:** all species expected**Trademarks and Patents**Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.**Limited Uses**

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