

# DHX29 Antibody



**Orders:** 877-616-CELL (2355)  
orders@cellsignal.com

**Support:** 877-678-TECH (8324)

**Web:** info@cellsignal.com  
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R	Endogenous	155	Rabbit	#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 and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

## Specificity/Sensitivity

DHX29 Antibody detects endogenous levels of total DHX29 protein.

## Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues at the C-terminus of human DHX29. Antibodies were purified by protein A and peptide affinity chromatography.

## 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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

## Applications Key

**W:** Western Blotting **IP:** Immunoprecipitation

## Cross-Reactivity Key

**H:** Human **M:** Mouse **R:** Rat

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