Best Tools for immunology Research

DDX4 rabbit-FC recombinant protein

Catalog No :	YD3119
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	DDX4 / MVH
Protein Name :	Probable ATP-dependent RNA helicase DDX4
Sequence :	Amino acid:35-163,with rabbit FC tag.
Human Gene Id :	54514
Human Swiss Prot No :	Q9NQI0
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Background :	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is a homolog of VASA proteins in Drosophila and several other species. The gene is specifically expressed in the germ cell lineage in both sexes and functions in germ cell development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009],
Function :	function:May play a role in germ cell development.,similarity:Belongs to the DEAD box helicase family.,similarity:Belongs to the DEAD box helicase family. DDX4/VASA subfamily.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,subunit:N-terminus interacts with RANBP9. Interacts with PIWIL2 and MAEL.,tissue specificity:Expressed only in ovary and testis. Expressed in migratory primordial

germ cells in the region of the gonadal ridge in both sexes.,

Subcellular Location : Cytoplasm . Cytoplasm, perinuclear region . Component of the meiotic nuage, also named P granule, a germ-cell-specific organelle required to repress transposon activity during meiosis. .

Expression : Expressed only in ovary and testis. Expressed in migratory primordial germ cells in the region of the gonadal ridge in both sexes.

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