

Recombinant Human DDX3Y cell lysate

Cat. No. DDX3Y-455HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species

Human

Description

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, and it has a homolog on the X chromosome. The gene mutation causes male infertility, Sertoli cell-only syndrome or severe hypospermatogenesis, suggesting that this gene plays a key role in the spermatogenic process. Alternatively spliced variants, encoding the same protein, have been identified.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

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Gene Name	DDX3Y DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked [Homo sapiens]
Official Symbol	DDX3Y
Synonyms	DDX3Y; DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked; DBY, DEAD/H (Asp Glu Ala Asp/His) box polypeptide, Y chromosome; ATP-dependent RNA helicase DDX3Y; DEAD box protein 3, Y-chromosomal; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide, Y chromosome; DBY;
Gene ID	8653
mRNA Refseq	NM_001122665
Protein Refseq	NP_001116137
MIM	400010
UniProt ID	O15523
Chromosome Location	Yq11
Pathway	RIG-I-like receptor signaling pathway, organism-specific biosystem; RIG-I-like receptor signaling pathway, conserved biosystem;
Function	ATP binding; ATP-dependent helicase activity; DNA binding; RNA binding; helicase activity; hydrolase activity; nucleotide binding;