

# DST Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human DST(Accession Q03001), corresponding to amino acid residues V7423-T7473.
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_2854570

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:100-1:500	-

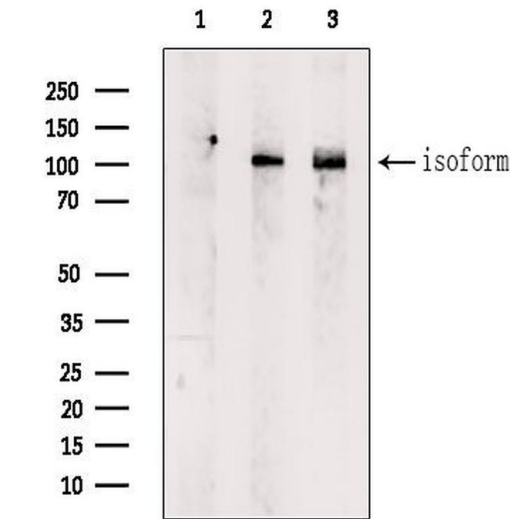
## Product Specific Information

Antibody detects endogenous levels of total DST.

Product Images For DST Polyclonal Antibody

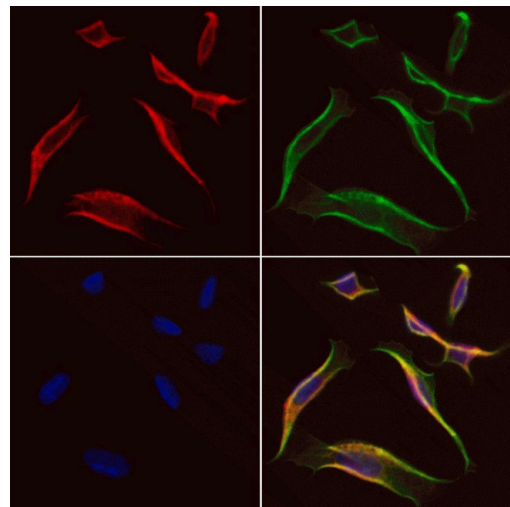
DST Antibody (PA5-106906) in WB

Western blot analysis of DST in various samples (Lane 1: 3T3, treated with blocking peptide, Lane 2: 3T3, Lane 3: Colo205). Samples were incubated with DST polyclonal antibody (Product # PA5-106906).



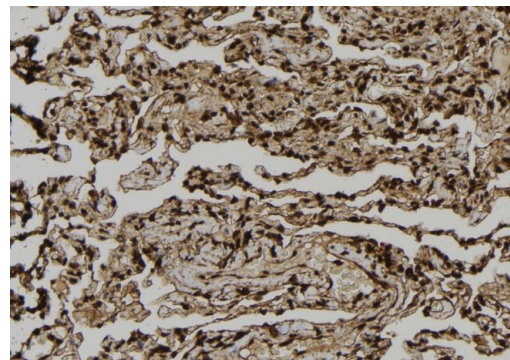
DST Antibody (PA5-106906) in ICC/IF

Immunofluorescent analysis of DST in HeLa cells. Samples were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100, blocked with 10% serum (45 min at 25°C), incubated with mouse anti-beta tubulin and DST polyclonal antibody (Product # PA5-106906) using a dilution of 1:200 (1 hr, 37°C), and followed by goat anti-rabbit IgG Alexa Fluor 594 (red) and goat anti-mouse IgG Alexa Fluor 488 (green).



DST Antibody (PA5-106906) in IHC (P)

Immunohistochemistry analysis of paraffin-embedded DST in human lung tissue. Antigen retrieval was performed using citrate buffer. Samples were blocked with blocking buffer (1.5 hr, 22°C), incubated with DST polyclonal antibody (Product # PA5-106906) using a dilution of 1:100 (1.5 hr, 22°C), followed by HRP conjugated goat anti-rabbit.



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Western Blot (1)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p><b>Genetic removal of p70 S6K1 corrects coding sequence length-dependent alterations in mRNA translation in fragile X syndrome mice.</b></p> <p>"PA5-106906 was used in Western Blotting to reveal the identities of dysregulated mRNAs and a molecular mechanism by which reduction of S6K1 prevents altered translation in fragile X syndrome."</p> <p>Authors: Aryal S,Longo F,Klann E</p>	<p><b>Year</b> 2021</p> <p><b>Species</b> Mouse</p> <p><b>Dilution</b> 1:1000</p>
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