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Datasheet for ABIN2669342
PPIA Protein

Overview

Quantity:	100 µg
Target:	PPIA
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purity:	>99 %
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Target Details

Target:	PPIA
Alternative Name:	CyclophilinA (PPIA Products)
Background:	<p>Cyclophilin A (CypA, 18 kDa) is the first peptidyl-prolyl cis-trans isomerase (PPIase) to be discovered, PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. Cyclophilins belong to the superfamily of immunophilins, highly conserved cytoplasmic proteins which share the PPI enzymatic activity and the ability to bind immunosuppressive drugs. CypA binds to and mediates the effect of Cyclosporin A, the CsA/CypA complex selectively binds and inactivates the serine/threonine phosphatase calcineurin leading to disruption of T-cells activating cascade. CsA binding occurs at the active site of the protein thus inhibiting its enzymatic activity. CypA has been demonstrated to be involved in several steps of viral infections such as those mediated by HIV,</p>

Target Details

HBV and HCV.

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 20 mM Tris pH 8.0, 20 mM NaCl, 0.5 mM DTT, 10 % (v/v) glycerol

Storage: -20 °C