

Datasheet for 600-401-EW0**Stella Antibody****Overview**

Description:	Anti-Stella (RABBIT) Antibody - 600-401-EW0
Item No.:	600-401-EW0
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Stella was initially identified in primordial germ cells and pre-implantation embryos whose expression as a maternal factor is important in early embryonic development but is not required for germ cell specification in mice. In humans, Stella is thought to be a marker for pluripotency in embryonic stem (ES) cells as its expression is observed in primordial germ cells of both sexes and germ cell tumors but not in normal somatic tissues. However, in ES cell colonies, heterogeneous expression of Stella was seen in high throughput in situ hybridization assays, indicating that higher levels of complexity exist in otherwise thought to be undifferentiated ES cells. At least two distinct isoforms of Stella are known to exist.
Synonyms:	Stella Antibody, STELLA, STELLAR, Developmental pluripotency-associated protein 3, Stella-related protein, DPPA3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DPPA3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Stella antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide from near the C-terminus of human Stella.
Purity/Specificity:	Anti-Stella Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Stella from other sources has not been determined.
Relevant Links:	• UniProtKB - Q6W0C5 • GeneID - 359787 • NCBI - NP_954980.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Stella Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 18 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

Formulation

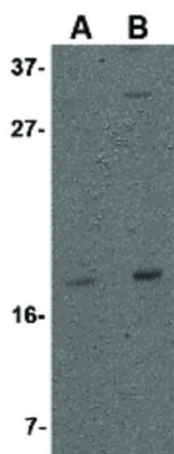
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Stella antibody. Lane A: 293 cell lysate at 1 $\mu\text{g/mL}$. Lane B: 293 cell lysate at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 56.0 kDa, ~18 kDa for Stella.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.