

Datasheet for 600-401-AZ7**EIG121 Antibody****Overview**

Description:	Anti-EIG121 (RABBIT) Antibody - 600-401-AZ7
Item No.:	600-401-AZ7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	EIG121 (Estrogen-induced gene 121 protein) is thought to play a role as a marker of hyperestrogenic state and estrogen-related type I endometrial carcinoma. It belongs to the UPF0577 family. It is a 1013 amino acid single-pass transmembrane protein that, though expressed in normal endometrium, is overexpressed in endometroid tumors. As an evolutionarily conserved gene, EIG121 is also expressed during early xenopus development, showing maximum expression at the gastrula stage.
Synonyms:	EIG121 Antibody, EIG, EIG1, UPF0577 protein KIAA1324, Estrogen-induced gene 121 protein, UNQ2426/PRO4985
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KIAA1324
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-EIG121 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human EIG121.

Purity/Specificity:	Anti-EIG121 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least four isoforms of EIG121 known to exist. EIG121 antibody is predicted to not cross-react with other UPF0577 protein family members.
Relevant Links:	• UniProtKB - Q6UXG2 • GeneID - 1957 • NCBI - NP_065826

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-EIG121 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 111 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
IF:	20 µg/mL
WB:	1 µg/mL

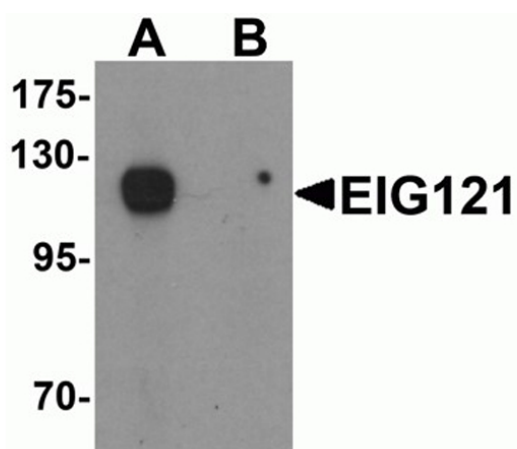
Formulation

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



Immunocytochemistry

Immunocytochemistry of EIG121.

Cell: MCF7 cells. Primary Antibody: EIG121 antibody at 5 $\mu\text{g/mL}$.

Western Blot

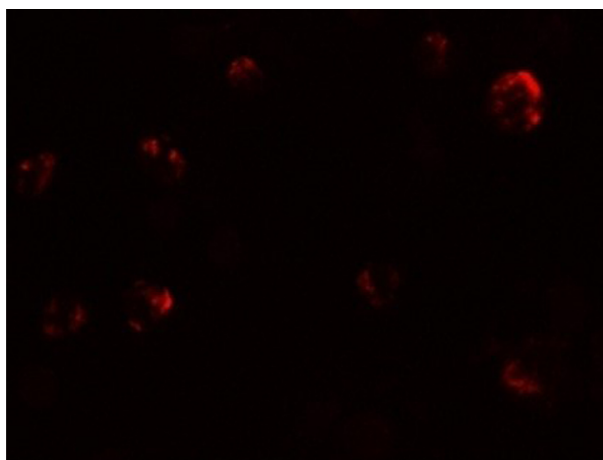
Western blot analysis of EIG121. Load: MCF7 cell lysate.

Primary Antibody: EIG121 antibody at 1 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide.

Immunofluorescence Microscopy

Immunofluorescence of EIG121. Cell: MCF7 cells. Primary

Antibody: EIG121 antibody at 20 $\mu\text{g/mL}$.



Disclaimer

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