

Anti-RRN3 (Phospho-S649) Antibody

Catalog # AP61275

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9NYV6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74107

Additional Information

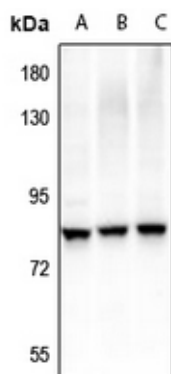
Gene ID	54700
Other Names	TIFIA; RNA polymerase I-specific transcription initiation factor RRN3; Transcription initiation factor IA; TIF-IA
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S649 of human RRN3 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

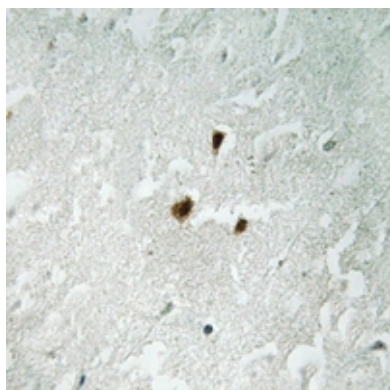
Name	RRN3
Synonyms	TIFIA
Function	Required for efficient transcription initiation by RNA polymerase I (Pol I). Required for the formation of the competent pre- initiation complex (PIC).
Cellular Location	Nucleus, nucleolus.

Images

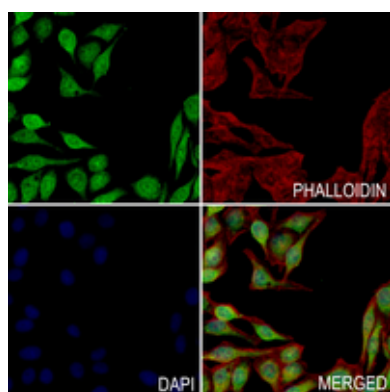
Western blot analysis of RRN3 (Phospho-S649) expression in A375 (A), EC9706 (B), SGC7901 (C) whole cell lysates.



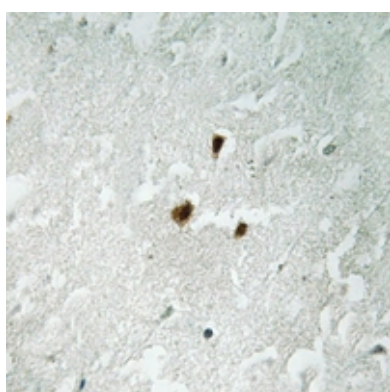
(Predicted band size: 74 kD; Observed band size: 74 kD)



Immunohistochemical analysis of RRN3 (Phospho-S649) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of RRN3 (Phospho-S649) staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of RRN3 (pS649) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.