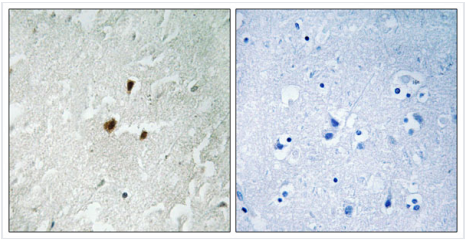
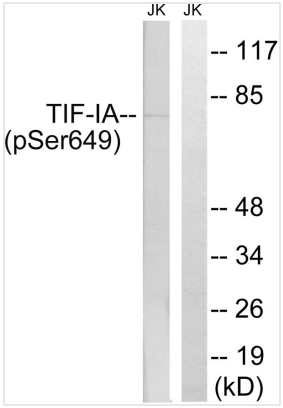
TIF-IA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TIF-IA, Polyclonal Antibody
Full Product Name	TIF-IA (Phospho-Ser649) Antibody
Product Gene Name	anti-TIF-IA antibody
Product Synonym Gene Name	RRN3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Concentration	1 mg/ml (lot specific)
Specificity	TIF-IA (Phospho-Ser649) Antibody detects endogenous levels of TIF-IA only when phosphorylated at Ser649.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	74 kDa
OMIM	AJ272050 mRNA
3D Structure	ModBase 3D Structure for Q9NYV6
Target Modification	Phospho
Modification Sites	H:S649
Immunogen	The antiserum was produced against synthesized peptide derived from human TIF-IA around the phosphorylation site of Ser649.
Immunogen Range	602-651
Applications Tested/Suitable for anti-TIF-IA antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-TIF-IA antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:1000
Related Product Information for anti-TIF-IA antibody	MBS9503407 is an antibody targeting TIF-IA. Also known as TIF-IA (Phospho-Ser649) Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-TIF-IA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-TIF-IA antibody
Immunohistochemistry analysis of paraffin-embedded human brain, using TIF-IA (Phospho-Ser649) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot (WB) of anti-TIF-IA antibody
Western blot analysis of lysates from Jurkat cells treated with starved 24h, using TIF-IA (Phospho-Ser649) Antibody. The lane on the right is blocked with the phospho peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIF-IA. It may not necessarily be applicable to this product.

NCBI GI #	93102377
NCBI GeneID	54700
NCBI Accession #	NP_060897.3
UniProt Primary Accession #	Q9NYV6
UniProt Secondary Accession #	Q3MHU9; Q6IPL4; Q9H4F0; A2RTY9; B4E0J7; B4E3T2
UniProt Related Accession #	Q9NYV6
GenBank Nucleotide #	NM_018427.4
NCBI Official Full Name	RNA polymerase I-specific transcription initiation factor RRN3 isoform 1
NCBI Official Synonym Full Names	RRN3 homolog, RNA polymerase I transcription factor
NCBI Official Symbol	RRN3
NCBI Official Synonym Symbols	TIFIA; A-270G1.2
UniProt Protein Name	RNA polymerase I-specific transcription initiation factor RRN3
UniProt Synonym Protein Names	Transcription initiation factor IA; TIF-IA
UniProt Gene Name	RRN3
UniProt Synonym Gene Names	TIFIA; TIF-IA
NCBI Protein Information	RNA polymerase I-specific transcription initiation factor RRN3
UniProt Comments for TIF-IA	Required for efficient transcription initiation by RNA polymerase I. Required for the formation of the competent preinitiation complex (PIC). Dissociates from pol I as a consequence of transcription. In vitro, cannot activate transcription in a subsequent transcription reaction ().
Research Articles on TIF-IA	**1.** These data support a model in which activated Akt enhances rRNA synthesis both by preventing TIF-IA degradation and phosphorylating CK2alpha, which in turn phosphorylates TIF-IA.
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