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# anti-POLR3F antibody (N-Term)

2 Images



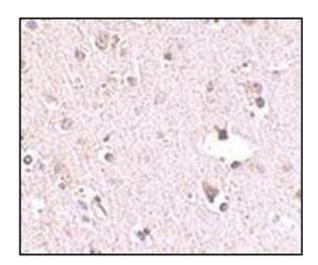
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Quantity:	0.1 mg	
Target:	POLR3F	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This POLR3F antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)	
Product Details		
Immunogen:	POLR3F antibody was raised against a 21 amino acid peptide from near the amino terminus of human POLR3F.	
Isotype:	IgG	
Specificity:	This antibody detects POLR3F.	
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat	
Purification:	Peptide affinity chromatography	
Target Details		
Target:	POLR3F	

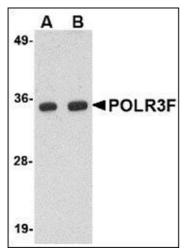
## Target Details

Alternative Name:	POLR3F (POLR3F Products)	
Background:	The human POLR3F is a component of RNA III polymerase. RNA polymerase III transcribes	
	many essential, small, noncoding RNAs, including the 5S rRNAs and tRNAs. While most pol III-	
	transcribed genes are found scattered throughout the linear chromosome maps or in multiple	
	linear clusters, there is increasing evidence that many of these genes prefer to be spatially	
	clustered, often at or near the nucleolus. This association could create an environment that	
	fosters the coregulation of transcription by pol III with transcription of the large ribosomal RNA	
	repeats by RNA polymerase I (pol I) within the nucleolus. Given the high number of pol III-	
	transcribed genes in all eukaryotic genomes, the spatial organization of these genes is likely to	
	affect a large portion of the other genes in a genome. POLR3F has also been recently identified	
	as an HIV dependency factor (HDF), suggesting that POLR3F may be an important drug target	
	in HIV treatment. At least two isoforms of POLR3F are known to exist. Synonyms: DNA-directed	
	RNA polymerase III subunit F, DNA-directed RNA polymerase III subunit RPC6, RNA polymerase	
	III 39 kDa subunit, RNA polymerase III subunit C6, RPC39, RPC6	
Gene ID:	10621	
UniProt:	Q9H1D9	
Application Details		
Application Notes:	ELISA. Western blot. Immunohistochemistry on paraffin sections.	
	Other applications not tested.	
	Optimal dilutions are dependent on conditions and should be determined by the user.	
Restrictions:	For Research Use only	
Handling		
Buffer:	PBS containing 0.02 % sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.	



### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of POLR3F in human brain tissue with this product at  $2.5 \, \mu g/ml$ .



### **Western Blotting**

**Image 2.** Western blot analysis of POLR3F in human brain tissue lysate with this product at (A) 0.5 and (B)  $1 \mu g/ml$ .