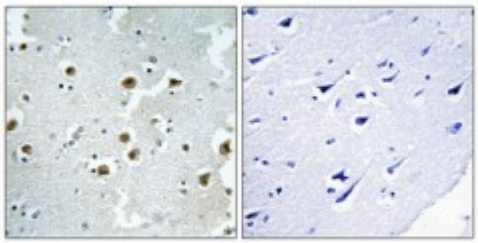
Anti-CAF-1 p60 antibody



Description	Rabbit polyclonal to CAF-1 p60.

Model	STJ91970
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human CAF-1 p60
Immunogen Region	40-120 aa, Internal
Gene ID	8208
Gene Symbol	CHAF1B
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	CAF-1 p60 Polyclonal Antibody detects endogenous levels of CAF-1 p60 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Chromatin assembly factor 1 subunit B CAF-1 subunit B Chromatin assembly factor I p60 subunit CAF-I 60 kDa subunit CAF-I p60 M-phase phosphoprotein 7
Molecular Weight	61 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1911OMIM:601245
Alternative Names	Chromatin assembly factor 1 subunit B CAF-1 subunit B Chromatin assembly factor I p60 subunit CAF-I 60 kDa subunit CAF-I p60 M-phase phosphoprotein 7
Function	Complex that is thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer.
Cellular Localization	Nucleus Cytoplasm. DNA replication foci. Cytoplasmic in M phase.
Post-translational Modifications	Differentially phosphorylated during cell cycle. During mitosis the p60 subunit of inactive CAF-1 is hyperphosphorylated and displaced into the cytosol. Progressivly dephosphorylated from G1 to S and G2 phase. Phosphorylated p60 is recruited to chromatin undergoing DNA repair after UV irradiation in G1, S or G2 phases.