ARG10582
anti-p60 antibody [E17-L]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [E17-L] recognizes p60
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	E17-L
Isotype	IgG
Target Name	p60
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human p60
Conjugation	Un-conjugated
Alternate Names	CAF1A; CAF-IP60; CAF-I 60 kDa subunit; MPP7; MPHOSPH7; CAF1; CAF-1; Chromatin assembly factor I p60 subunit; M-phase phosphoprotein 7; CAF1P60; Chromatin assembly factor 1 subunit B; CAF-1 subunit B; CAF-I p60

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:200

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

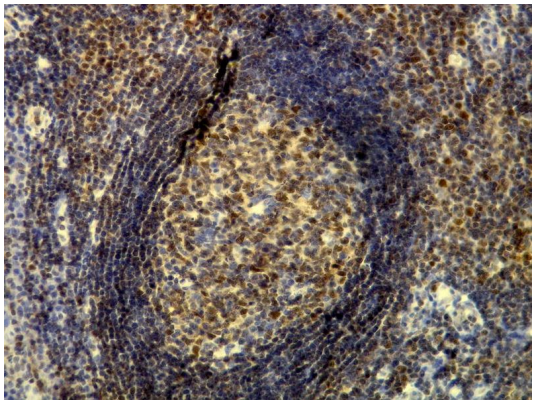
Properties

Form	Liquid
Buffer	20 mM Tris-HCl (pH 8.0), 0.05% Sodium azide and 20 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	20 mg/ml BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

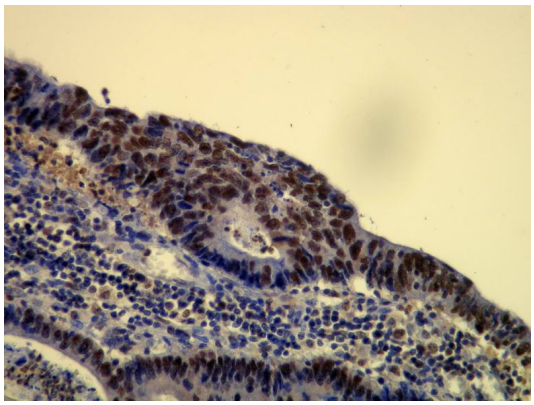
Database links	GeneID: 8208 Human Swiss-port # Q13112 Human
Gene Symbol	CHAF1B
Gene Full Name	chromatin assembly factor 1, subunit B (p60)
Background	Chromatin assembly factor I (CAF-I) is required for the assembly of histone octamers onto newly-replicated DNA. CAF-I is composed of three protein subunits, p50, p60, and p150. The protein encoded by this gene corresponds to the p60 subunit and is required for chromatin assembly after replication. The encoded protein is differentially phosphorylated in a cell cycle-dependent manner. In addition, it is normally found in the nucleus except during mitosis, when it is released into the cytoplasm. This protein is a member of the WD-repeat HIR1 family and may also be involved in DNA repair. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	61 kDa
PTM	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.

Images



ARG10582 anti-p60 antibody [E17-L] IHC-P image

Immunohistochemistry: Formalin fixed, paraffin embedded Human lymphocytes of the germinal center of the lymph node (4 µm sections) stained with ARG10582 anti-p60 antibody [E17-L].



ARG10582 anti-p60 antibody [E17-L] IHC-P image

Immunohistochemistry: Formalin fixed, paraffin embedded Human colorectal adenocarcinoma (4 µm sections) stained with ARG10582 anti-p60 antibody [E17-L].