


Product datasheet

Anti-p55/DCAF1 antibody ab1766

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Overview

Product name	Anti-p55/DCAF1 antibody
Description	Rabbit polyclonal to p55/DCAF1
Host species	Rabbit
Species reactivity	Predicted to work with: Chicken, Xenopus laevis, Zebrafish 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

General notes

Complex that 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. P150 and p60 form complexes with newly synthesized histones h3 and acetylated H4 in cell extracts (by similarity). P55 associates with acetyltransferases and deacetylases in cell extracts and is also a component of the nucleosome remodeling factor complex (NURF), a protein complex consisting of four polypeptides that facilitates the perturbation of chromatin structure in vitro in an ATP-dependent manner. This subunit may assist targeting of protein complexes to chromatin.

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Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide
Purity	Whole antiserum

Primary antibody notes Complex that 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. P150 and p60 form complexes with newly synthesized histones h3 and acetylated H4 in cell extracts (by similarity). P55 associates with acetyltransferases and deacetylases in cell extracts and is also a component of the nucleosome remodeling factor complex (NURF), a protein complex consisting of four polypeptides that facilitates the perturbation of chromatin structure in vitro in an ATP-dependent manner. This subunit may assist targeting of protein complexes to chromatin.

Clonality Polyclonal

Isotype IgG

Target

Relevance p55/DCAF1 is a core histone-binding subunit that may target chromatin assembly factors, chromatin remodeling factors and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA. Component of several complexes which regulate chromatin metabolism. These include the chromatin assembly factor 1 (CAF-1) complex, which is required for chromatin assembly following DNA replication and DNA repair.

Cellular localization Nuclear

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