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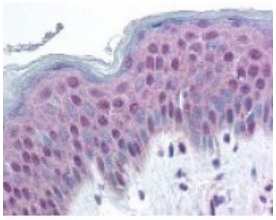
HMGN1 Antibody

CATALOG NUMBER: 49-517



Immunohistochemistry staining of HMGN1 in skin tissue using HMGN1 Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IF, IHC, WB
APPLICATIONS:	HMGN1 antibody can be used in immunohistochemistry starting at 1:50 - 1:100, immunoprecipitation, and flow cytometry.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	pSer20/pSer24
IMMUNOGEN:	HMGN1 antibody was raised against amino acids 19-28 of HMGN1 (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
STORAGE CONDITIONS:	Store HMGN1 antibody at 4 ˚C or -20 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	HMGN1, HMG14
ACCESSION NO.:	P05114
PROTEIN GI NO.:	123101
OFFICIAL SYMBOL:	HMGN1
GENE ID:	3150

Background

BACKGROUND:	HMGNs are proteins that bind chromatin effectively reducing the compaction of the chromatin fiber and enhancing access to DNA regulatory sequences. Members of this family have a conserved chromatin binding

domain which is phosphorylated during mitosis. The sequence immunized is conserved in several species. As such, this reagent is designed as a universal reagent for the detection of all phosphorylated HMGN proteins. The High Mobility Group (HMG) proteins were originally isolated from mammalian cells and were named according to their electrophoretic mobility in polyacrylamide gels. HMGs were arbitrarily classed as a specific type of nonhistone proteins based on the observation that they are ubiquitous to mammalian cells, that they share certain physical properties, and that they are associated with isolated chromatin. HMG proteins and are now subdivided into 3 families: the HMGB (formerly HMG-1/-2) family, the HMGN (formerly HMG-14/-17) family, and the HMGA (formerly HMG-I/Y/C) family. Each HMG family has a characteristic functional sequence motif. The functional motif of the HMGB family is called the "HMG-box;" that of the HMGN family, the "nucleosomal binding domain;" and that of the HMGA family, the "AT-hook." The functional motifs characteristic of these canonical HMGs are widespread among nuclear proteins in a variety of organisms. Proteins containing any of these functional motifs embedded in their sequence are known as "HMG motif proteins."

FOR RESEARCH USE ONLY

December 13, 2016