abcam

Product datasheet

Normal Goat Serum ab7481

★★★★★ 2 Abreviews 296 References 2 Images

Overview

Product name	Normal Goat Serum
Host species	Goat
Tested applications	**Suitable for:** Blocking, IHC-Fr, ICC/IF, IHC-P
General notes	Normal goat serum ab7481 is used extensively for the blocking of non-specific antibody binding in tissue and cell staining, and in other applications of antibodies. The goat serum blocks the binding of Fc receptors in the sample to the primary and secondary antibodies used in the experiment, and also blocks non-specific binding of the antibodies to the sample. Typically the serum used for blocking is from a different species than the species in which the primary antibody was raised. Often the blocking serum is from the species in which the secondary antibody was raised. Serum can be used directly for blocking, or as a constituent of a blocking buffer. Strain: Mixed breed and sex. Raised in: Goat Purity: Whole antiserum This product is for research use only and not intended for diagnostic or therapeutic use of any kind.

Properties

Form	Liquid
Storage instructions	Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituent: Whole serum
Reagent notes	Strain: Mixed breed and sex.

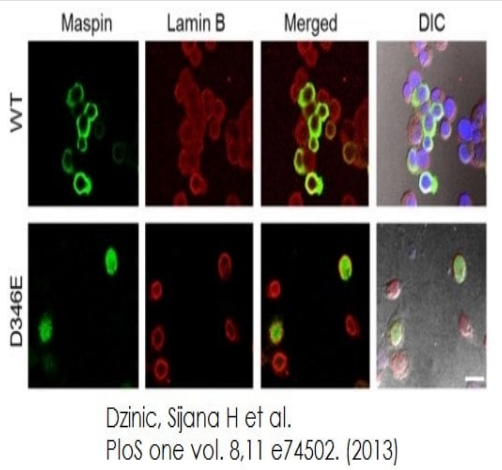
Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab7481 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Blocking		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent dilution.
IHC-P		Use at an assay dependent dilution.

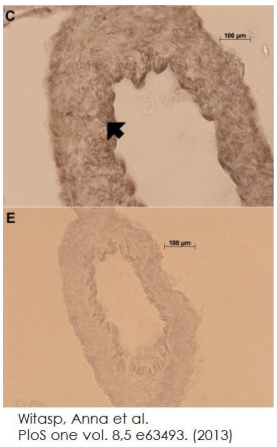
Images



Functional Studies - Normal Goat Serum (ab7481)

Dzinic, Sijana H et al., PloS one vol. 8,11 e74502., Fig 2, doi:10.1371/journal.pone.0074502

Cells grown in 8-well chamber slides to 70% confluence were fixed with 4% paraformaldehyde (15 min at room temperature (RT)), and permeabilized with 100% ice cold methanol (10 min at 20°C). The slides were incubated with 10% normal goat serum (ab7481) in PBS for 1 hr, and incubated with anti-maspin (1:100) antibody alone or in a combination with either anti-lamin B (1:50), anti-HDAC1 (1:50) or anti-GRP78 (1:50) at 4°C overnight. Cells were washed and incubated for 2 hrs at room temperature (RT) with Alexa Fluor 488 (1:500) alone or in combination with Alexa Fluor 594 (1:500). The nuclei were counterstained with DAPI.
DU145 cells infected with adenovirus expressing either maspinWT or maspinD346E Confocal immunofluorescence imaging of maspin (green) and nuclear envelope marker lamin B (red) in DU145 cells after infection.



Functional Studies - Normal Goat Serum (ab7481)

Witasp, Anna et al., PloS one vol. 8,5 e63493., Fig 3, doi:10.1371/journal.pone.0063493

Slides were pretreated with Hydrogen Peroxide Block followed by 15% normal goat serum (Abcam, Cambridge, UK) for 1 hour. The primary antibody, anti-PTX3, N-terminal antibody produced in rabbit was diluted 1:300 in PBS with 2.5% goat serum (ab7481), applied to slides and incubated for 3 hours at 4°C. The primary antibody was omitted in the negative controls. The PTX3 binding was revealed using a universal secondary antibody polymer formulation conjugated to horseradish peroxidase (HRP). The HRP activity was subsequently visualized with diaminobenzidine (DAB) substrate/chromogen and counterstaining with hematoxylin was performed.

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