

For Research Use Only

Ubiquitin-Trap Magnetic Agarose, Kit for Immunoprecipitation



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Catalog Number: **utmak**

Basic Information

Catalog Number:
utmak

Applications:
IP, CoIP

Conjugate:
Magnetic agarose beads; ~40 um (cross-linked 6% magnetic agarose beads)

Host:
Camelid

Type:
Nanobody

Class:
Recombinant

Description

The Ubiquitin-Trap Magnetic Agarose Kit is a ready-to-use reagent for the IP of ubiquitin and ubiquitinated proteins. It consists of an anti-ubiquitin Nanobody/VHH coupled to magnetic agarose beads, along with lysis, wash, and elution buffers to use in the IP process.

Specificity/Target

Binds to monomeric ubiquitin, ubiquitin chains, and ubiquitinated proteins. Ubiquitin chains may be linked via lysines; linkages via lysines such as K11, K48 and K63 are compatible with binding by the Ubiquitin-Trap (further linkage types also likely to be compatible, but not tested).

Elution buffer

2x SDS-sample buffer (Lamml)

Affinity

The K_D for monomeric ubiquitin is 90 nM. The apparent affinity is even higher for ubiquitin chains due to avidity effects.

Storage

Storage:
Shipped at ambient temperature. Upon receipt store at +4°C. Stable for one year. DO not freeze!

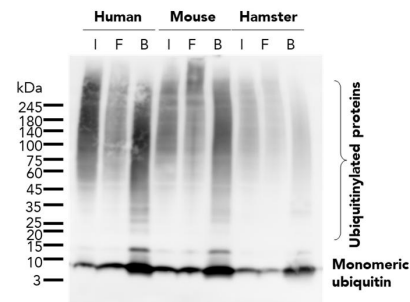
Storage Buffer:
20% ethanol

For technical support and original validation data for this product please contact

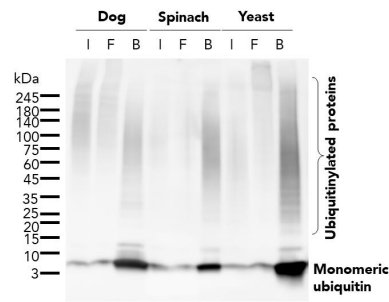
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1(312) 455-8498 (outside USA) W: www.ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



The ubiquitin-trap magnetic agarose kit (utmak) was used to immunoprecipitate endogenous ubiquitin and ubiquitinated proteins from human (HEK293T), mouse (C2C12), and hamster (CHO) cell lines treated with MG-132. For each IP, samples of the input lysate (I), non-bound flow-through (F), and bound (B) fractions were analyzed using western blot. Ubiquitin recombinant antibody (80992-1-RR) and HRP-conjugated Affinipure Goat Anti-Rabbit IgG (H+L) (SA00001-2) were used in the western blot analysis.



The ubiquitin-trap magnetic agarose kit (utmak) was used to immunoprecipitate endogenous ubiquitin and ubiquitinated proteins from dog (MDCK) cells, spinach (*Spinacia oleracea*), and baker's yeast (*Saccharomyces cerevisiae*) treated with MG-132. For each IP, samples of the input lysate (I), non-bound flow-through (F), and bound (B) fractions were analyzed using western blot. Ubiquitin recombinant antibody (80992-1-RR) and HRP-conjugated Affinipure Goat Anti-Rabbit IgG (H+L) (SA00001-2) were used in the western blot analysis.