

## Datasheet for ABIN968013 anti-MVP antibody (AA 403-592)



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### Overview

Quantity:	50 µg
Target:	MVP
Binding Specificity:	AA 403-592
Reactivity:	Human, Cow, Rabbit, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MVP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

### Product Details

Immunogen:	Human LRP aa. 403-592
Clone:	42-LRP
Isotype:	IgG1
Cross-Reactivity:	Cow (Bovine), Dog (Canine), Rabbit
Characteristics:	<ol style="list-style-type: none"> <li>1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.</li> <li>2. Please refer to us for technical protocols.</li> <li>3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.</li> <li>4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.</li> </ol>

## Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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## Target Details

Target:	MVP
Alternative Name:	LRP ( <a href="#">MVP Products</a> )
Background:	Drugs that selectively attack dividing cells are often used in cancer therapy. However, small cell populations do not die, but develop resistance to a variety of toxic drugs. Multidrug resistance is achieved by gene amplification of specific membrane-bound transport ATPases that shuttle the drugs out of cells. Some multidrug-resistant cancer cells express a protein of 110 kDa named LRP (Lung Resistance-related Protein). LRP expression might be an indicator of prognosis after chemotherapy in acute myeloid leukemia and ovarian carcinoma. The LRP gene encodes a protein of 896 amino acids with significant homology to the major vault protein from Dictyostelium discoideum. Although ubiquitously expressed, LRP is most abundant in epithelial cells.
Molecular Weight:	110 kDa

## Application Details

Comment:	Related Products: ABIN967389, ABIN968536
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20°C.

## Publications

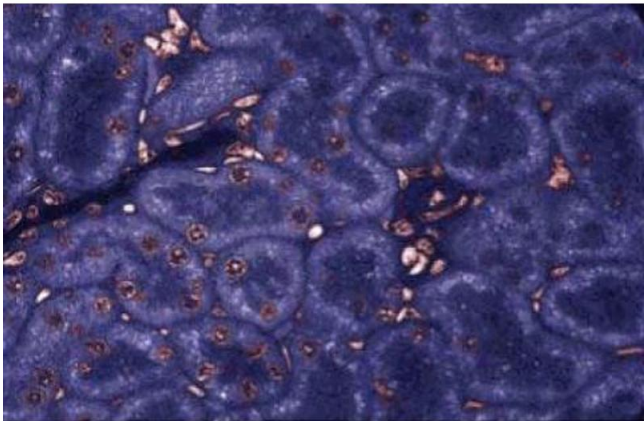
- Product cited in: Papura: "Managed care policy regarding OMT reimbursement illogical." in: **The Journal of the American Osteopathic Association**, Vol. 102, Issue 2, pp. 66, (2002) ([PubMed](#)).
- Rybarova, Batekova, Hodorova, Mirossay, Kluchova, Bobrov, Kocisova: "Immunohistochemical detection of LRP protein in the normal human lung." in: **Bratislavské lekárske listy**, Vol. 102, Issue 2, pp. 66-72, (2001) ([PubMed](#)).
- List, Spier, Grogan, Johnson, Roe, Greer, Wolff, Broxterman, Scheffer, Scheper, Dalton: "Overexpression of the major vault transporter protein lung-resistance protein predicts treatment outcome in acute myeloid leukemia." in: **Blood**, Vol. 87, Issue 6, pp. 2464-9, (1996) ([PubMed](#)).
- Kickhoefer, Rome: "The sequence of a cDNA encoding the major vault protein from Rattus norvegicus." in: **Gene**, Vol. 151, Issue 1-2, pp. 257-60, (1995) ([PubMed](#)).
- Scheffer, Wijngaard, Flens, Izquierdo, Slovak, Pinedo, Meijer, Clevers, Scheper: "The drug resistance-related protein LRP is the human major vault protein." in: **Nature medicine**, Vol. 1, Issue 6, pp. 578-82, (1995) ([PubMed](#)).

## Images



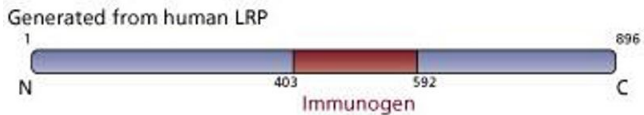
### Western Blotting

**Image 1.** Western blot analysis of LRP on human endothelial lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of LRP.



Immunofluorescence

**Image 2.** Immunofluorescence staining of Rabbit Kidney



**Image 3.**

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN968013.