



Datasheet for ABIN2482106

## anti-Biliverdin Reductase antibody (Alkaline Phosphatase (AP))



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### 2 Images

#### Overview

Quantity:	100 µg
Target:	Biliverdin Reductase (BLVRA)
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Biliverdin Reductase antibody is conjugated to Alkaline Phosphatase (AP)
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

#### Product Details

Immunogen:	Rat native full-length BVR purified from liver tissue
Specificity:	Detects ~36 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein A Purified

#### Target Details

Target:	Biliverdin Reductase (BLVRA)
Alternative Name:	BVR ( <a href="#">BLVRA Products</a> )
Background:	Biliverdin Reductase (BVR) is a cytoplasmic enzyme that catalyzes the conversion of biliverdin to bilirubin by converting a double bond between the second and third pyrrole ring into a single bond (1). It is ubiquitously expressed in all tissues- it occurs in cells and brain regions that already display HO-1 and HO-2, but also in regions and cell types with potential to induce stress

## Target Details

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proteins. It is unique among all enzymes in having two pH optima, using a different cofactor at each pH range, NADH at pH 7.0 and NADPH at pH 8.7 (2). It is not inactivated by heat shock, and have shown to abate inflammation, oxidative stress and apoptosis (3).

Gene ID: 116599

NCBI Accession: [NP\\_446302](#)

UniProt: [P46844](#)

## Application Details

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Application Notes:

- WB (1:500)
- IHC (1:1000)
- IP (1:100)
- optimal dilutions for assays should be determined by the user.

Comment: 2 µg/ml of ABIN2482106 was sufficient for detection of BVR in 20 µg of mixed human cell line lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

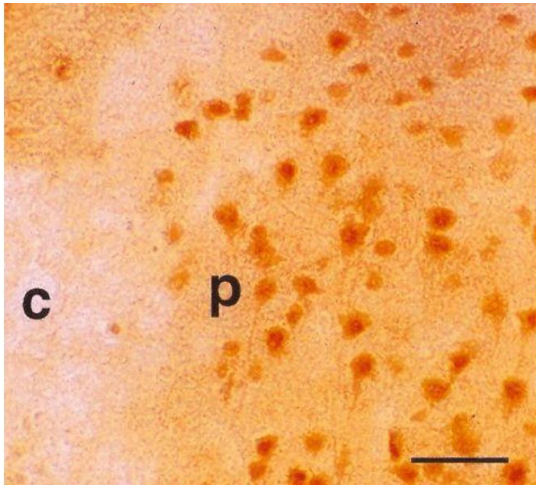
Buffer: PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

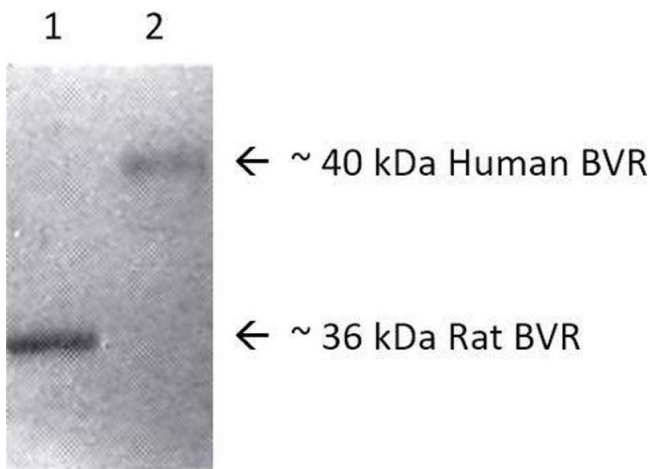
Storage: 4 °C

Storage Comment: Conjugated antibodies should be stored at 4°C



### Immunohistochemistry

**Image 1.** Immunohistochemistry analysis using Rabbit Anti-BVR Polyclonal Antibody . Tissue: Ischemic brain. Species: Rat. Primary Antibody: Rabbit Anti-BVR Polyclonal Antibody at 1:1000. C = ischemic core, P = ischemic penumbra.



### Western Blotting

**Image 2.** Western blot analysis of Human, Rat Brain cell lysates showing detection of BVR protein using Rabbit Anti-BVR Polyclonal Antibody . Lane 1: Rat Brain. Lane 2: Human Brain lysates. Load: 10 µg. Primary Antibody: Rabbit Anti-BVR Polyclonal Antibody at 1:1000.