

DATASHEET

BCDO2 Rabbit Polyclonal Antibody

CAT. NO. APA15157

KEY FEATURES

Target	BCDO2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Broad specificity mitochondrial dioxygenase that mediates the asymmetric oxidative cleavage of carotenoids. Cleaves carotenes (pure hydrocarbon carotenoids) such as all-trans-beta-carotene and lycopene as well as xanthophylls (oxygenated carotenoids) such as zeaxanthin, lutein and beta-cryptoxanthin at both the 9,10 and the 9',10' carbon-carbon double bond. Through its function in carotenoids metabolism regulates oxidative stress and the production of important signaling molecules.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

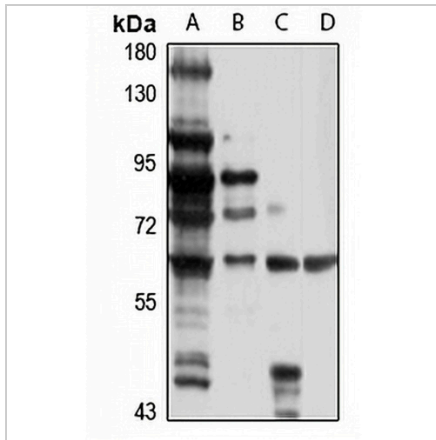
Description	Rabbit polyclonal antibody to BCDO2
Specificity	Recognizes endogenous levels of BCDO2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human BCDO2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 53; Observed: 65 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	BCDO2; Beta beta-carotene 9' 10'-oxygenase; B-diox-II; Beta-carotene dioxygenase 2
Gene Symbol	BCO2
Entrez Gene	83875(Human); 170752(Mouse)
SwissProt	Q9BYV7(Human); Q99NF1(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of BCDO2 expression in HEK293T (A), HeLa (B), mouse liver (C), rat liver (D) whole cell lysates. (Predicted band size: 53; 57; 60; 61; 65 kD; Observed band size: 65 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.