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Datasheet for ABIN514529

## anti-COX IV antibody (AA 1-169)

### 4 Images

#### Overview

Quantity:	100 µg
Target:	COX IV (COX4I1)
Binding Specificity:	AA 1-169
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COX IV antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Purpose:	Mouse monoclonal antibody raised against a full-length recombinant COX4I1.
Immunogen:	COX4I1 (AAH08704, 1 a.a. ~ 169 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MLATRVFSLV GKRAISTSVC VRAHESVVKS EDFSLPAYMD RRDHPLPEVA HVKHLASQK ALKEKEKASW SSSLMDKVE LYRIKFESF AEMNRGSNEW KTVVGGAMFF IGFTALVIMW QKHVYVGPLP QSFDKEWVAK QTKRMLDMKV NPIQGLASKW DYEKNEWKK
Clone:	4A10
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

Target:	COX IV (COX4I1)
Alternative Name:	COX4I1 ( <a href="#">COX4I1 Products</a> )
Background:	Full Gene Name: cytochrome c oxidase subunit IV isoform 1 Synonyms: COX4,COXIV,MGC72016
Gene ID:	1327
Pathways:	<a href="#">Proton Transport</a>

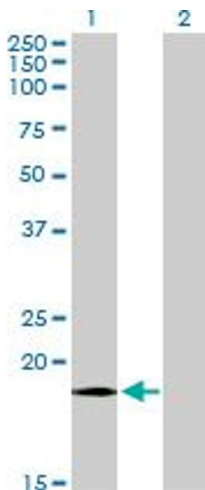
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Images

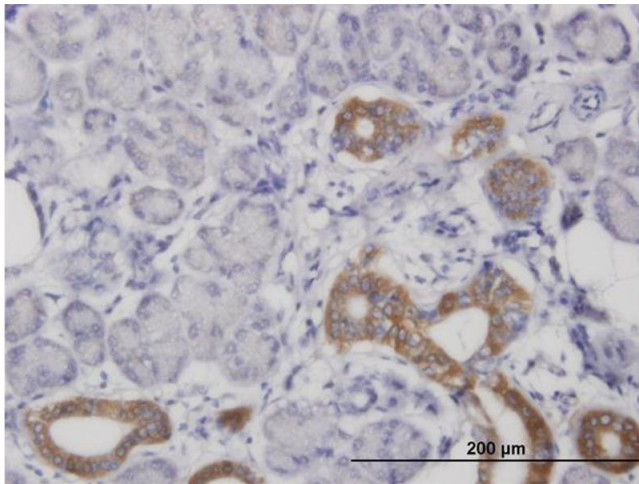


### Western Blotting

**Image 1.** Western Blot analysis of COX4I1 expression in transfected 293T cell line by COX4I1 monoclonal antibody (M08), clone 4A10.

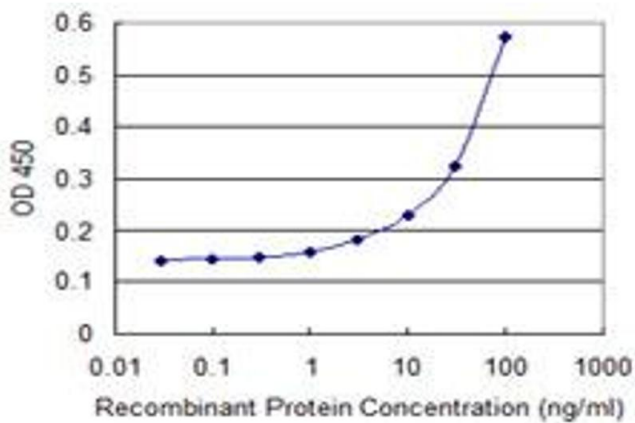
Lane 1: COX4I1 transfected lysate(19.6 kDa).

Lane 2: Non-transfected lysate.



### Immunostaining

**Image 2.** Immunoperoxidase of monoclonal antibody to COX4I1 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



### ELISA

**Image 3.** Detection limit for recombinant GST tagged COX4I1 is 1 ng/ml as a capture antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN514529.