

Datasheet for ABIN951651
anti-COX5A antibody (Middle Region)[Go to Product page](#)

3 Images

Overview

| | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Quantity: | 0.4 mL |
| Target: | COX5A |
| Binding Specificity: | AA 52-82, Middle Region |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COX5A antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

Product Details

| | |
|-----------------------------|--------------------------------------------------------------------------------------------------|
| Immunogen: | KLH conjugated synthetic peptide between 52~82 amino acids from the Center region of human COX5A |
| Isotype: | Ig Fraction |
| Specificity: | This antibody reacts to COX5A. |
| Cross-Reactivity (Details): | Species reactivity (tested):Human. |
| Purification: | Affinity chromatography on Protein A |

Target Details

| | |
|---------|-------|
| Target: | COX5A |
|---------|-------|

Target Details

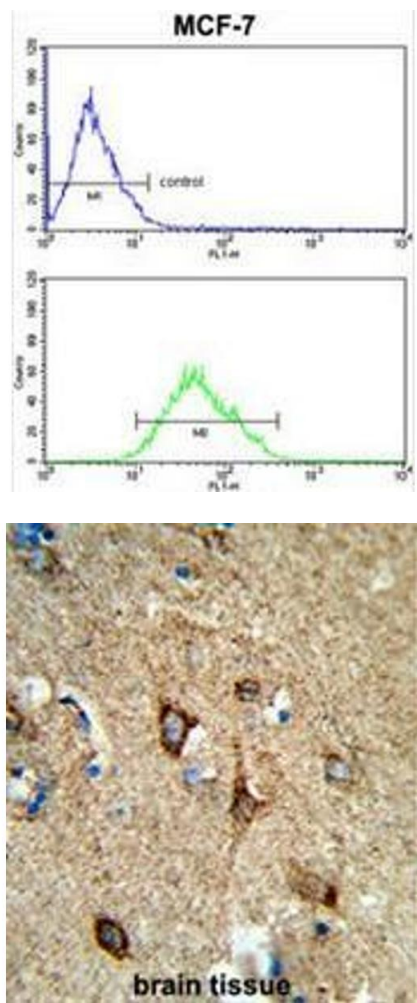
| | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | Complex IV Subunit Va (COX5A Products) |
| Background: | This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.Synonyms: COX5A, Cytochrome c oxidase subunit 5A, Mitochondria Complex IV (Cytochrome C Oxidase) subunit Va |
| Molecular Weight: | 16762 Da |
| Gene ID: | 9377 |
| NCBI Accession: | NP_004246 |
| Pathways: | Proton Transport |

Application Details

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

Handling

| | |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Buffer: | PBS, 0.09 % (W/V) 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. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |



Flow Cytometry

Image 1. COX5A Antibody (Center) FC analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human brain tissue reacted with COX5A Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis of COX5A Antibody (Center) in HeLa cell line lysates (35µg/lane). COX5A (arrow) was detected using the purified Pab.

