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Anti-COXIV (Ser58) Antibody

Our Anti-COXIV (Ser58) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is p
Catalog # AN1347

Product Information

Application	WB
Primary Accession	P19783
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	19530

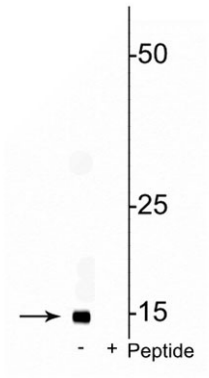
Additional Information

Gene ID	12857
Other Names	AL024441 antibody, COX 4 antibody, COX IV 1 antibody, COX IV antibody, COX IV-1 antibody, Cox4 antibody, COX41_HUMAN antibody, Cox4a antibody, COX4B antibody, COX4I1 antibody, COX4I2 antibody, COX4L2 antibody, Cytochrome c oxidase polypeptide IV antibody, Cytochrome c oxidase subunit 4 isoform 1 mitochondrial antibody, Cytochrome c oxidase subunit 4 isoform 1, mitochondrial antibody, Cytochrome C Oxidase subunit IV antibody, Cytochrome c oxidase subunit IV isoform 1 antibody, Cytochrome c oxidase subunit IV isoform 2 (lung) antibody, Cytochrome c oxydase subunit 4 antibody, MGC105470 antibody, MGC72016 antibody
Target/Specificity	COX, also known as cytochrome c oxidase, has 12 subunits that make up the transmembrane mitochondrial protein. Subunit IV has two isoforms; COXIV-1 and COXIV-2 (Huttermann et al., 2001). COXIV-1 is expressed ubiquitously while COXIV-2 is highly expressed in adult lung and low levels in brain and heart (Huttermann et al., 2001). Phosphorylation of amino acid residue Ser-58 of the COXIV-1 protein is a PKA-dependent regulation of COX and plays an important role in metabolism and CREB cycle activation (AcinPerez et al., 2011).
Dilution	WB~~1:1000
Format	Antigen Affinity Purified from Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-COXIV (Ser58) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

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Images



Western blot of rat mitochondrial lysate showing specific immunolabeling of the ~17 kDa COXIV phosphorylated at Ser58 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption of the phosphopeptide used as the antigen, but not by the corresponding non-phosphopeptide (not shown).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.