

For Research Use Only

OXPHOS Cocktail (Human recommended)

Catalog Number: PK30006



Description

OXPHOS (oxidative phosphorylation) requires the transport of electrons to molecular oxygen by the mitochondrial respiratory chain which involves four multi-subunit complexes known as complexes I, II, III, and IV (CI, CII, CIII and CIV) and two mobile electron carriers, coenzyme Q (CoQ) and cytochrome c. The respiratory chain generates a transmembrane proton gradient that is channeled by complex V (also known as ATP synthase, CV) to synthesize ATP.

This OXPHOS kit contains five Polyclonal antibodies. The kit is suitable for Western Blotting analysis of the relative levels of the 5 OXPHOS complexes in mitochondrial preparations from human. Individual proteins that need to be tested can be purchased according to the corresponding catalog number.

Product Information

	Cat.No	Name	MW	Size
	14676-1-AP	ATP5A1	Complexes V	50-55 kDa
	21705-1-AP	UQCRC1	Complexes III	45 kDa
Antibodies	10620-1-AP	SDHB	Complexes II	32 kDa
	55070-1-AP	MTCO2	Complexes IV	23-25 kDa
	14794-1-AP	NDUFB8	Complexes I	19-22 kDa

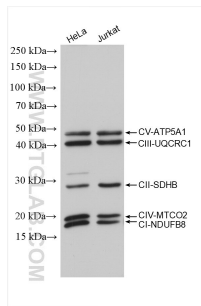
Package

150ul

Storage

Store at -20°C. Stable for one year after shipment.

Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with OXPHOS antibodies at dilution of 1:4000 incubated at room temperature for 1 hours.

For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or
1(312) 455-8498(outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.