

## OxPhos Rodent WB Antibody Cocktail

| Product Details    |  |
|--------------------|--|
| Size               | 300 µg                                       |
| Species reactivity | Bovine, Human, Mouse, Non-human primate, Rat |
| Published species  | Human, Mouse, Rat, Sheep                     |
| Host / Isotype     | Mouse / Ig                                   |
| Class              | Cocktail                                     |
| Type               | Antibody                                     |
| Clone              | Cocktail                                     |
| Conjugate          | Unconjugated                                 |
| Form               | Liquid                                       |
| Concentration      | 1.5 mg/mL                                    |
| Purification       | purified                                     |
| Storage buffer     | HEPES buffered saline                        |
| Contains           | 0.02% sodium azide                           |
| Storage conditions | 4°C  |
| RRID               | AB_2533835                                   |

| Applications      | Tested Dilution | Publications    |
|-------------------|-----------------|-----------------|
| Western Blot (WB) | Assay-dependent | 41 Publications |

### Product Specific Information

This product is a cocktail of multiple OxPhos antibodies.

C-I-20 (ND6) (clone) 20E9DH10C12 - Bovine Complex I

Purification Method: Antigen Affinity Chromatography

C-II-30 (FeS) (clone) 21A11AE7 - Bovine Heart Complex II

Purification Method: IgG Fraction

C-III-Core 2 (clone) 13G12AF12BB11 - Bovine Heart Complex II, III

Purification Method: IgG Fraction

C-IV-I (clone) 1D6E1A8 - Human Complex IV subunit I

Purification Method: Ammonium Sulfate Precipitation

C-V-alpha (clone) 15H4C4 - Bovine Complex V

Purification Method: Antigen Affinity Chromatography

The kit is suitable for Western Blotting analysis of the relative levels of the 5 OxPhos complexes in mitochondrial preparations from mouse, rat, human, or bovine sources. These clones were chosen because they are against a subunit that is labile when its complex is not assembled. Moreover, the combination is readily resolved in SDS-PAGE when the appropriate gel conditions are used. Also, COXI is a highly hydrophobic protein and appears as a broad band at ~35 kDa (not at its true molecular weight at 57 kDa). It is very sensitive to heating. Therefore, the samples, including the positive control, should not be heated over 50°C before loaded on the gel.

The antibody cocktail (1.5 mg/mL) should be diluted 250x to a final working concentration of 6.0 µg/mL for Western blotting. We recommend using PBS with 1% milk as the antibody diluent and using a high pH CAPS/PVDF transfer protocol.

Visit [thermofisher.com](http://thermofisher.com) to view references and figures.

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