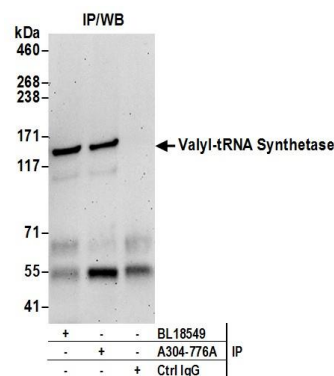


Detection of human and mouse Valyl-tRNA Synthetase/VARS by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Valyl-tRNA Synthetase/VARS antibody A304-776A (lot A304-776A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human Valyl-tRNA Synthetase/VARS by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Valyl-tRNA Synthetase/VARS antibody A304-776A (lot A304-776A-1) used for IP at 6 µg per reaction. Valyl-tRNA Synthetase/VARS was also immunoprecipitated by rabbit anti-Valyl-tRNA Synthetase/VARS antibody BL18549. For blotting immunoprecipitated Valyl-tRNA Synthetase/VARS, A304-776A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.