

Rabbit anti-salmon Zrp Polyclonal antibody, O-146

General description

This product consists of polyclonal rabbit antibodies (affinity-purified IgG fraction) against *zona radiata* proteins from Atlantic salmon (*Salmo salar*).

Immunogen source: Purified eggshell proteins (*zona radiata* proteins and small amounts of *zona pellucida* proteins) from Atlantic salmon (*Salmo salar*).

Specificity

The polyclonal antibody O-146 binds with high affinity to the three *zona radiata* proteins (Zrp) α , β and γ , in plasma samples from Atlantic salmon (*Salmo salar*). The antibody also cross-reacts with Zrp from a variety of species including rainbow trout (*Oncorhynchus mykiss*), Arctic char (*Salvelinus alpinus*), Atlantic cod (*Gadus morhua*), turbot (*Scophthalmus maximus*), flounder (*Platichthys flesus*) and halibut (*Hippoglossus hippoglossus*). The degree of cross-reactivity differs between the different Zrp proteins and with the methods employed. Cross-reactivity with *zona pellucida* proteins may be observed in fish ovaries or eggs.

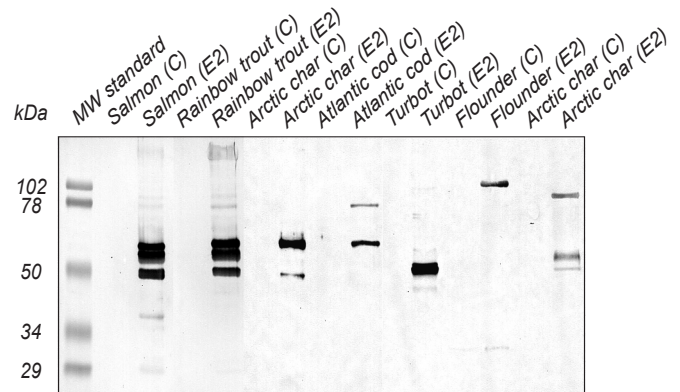
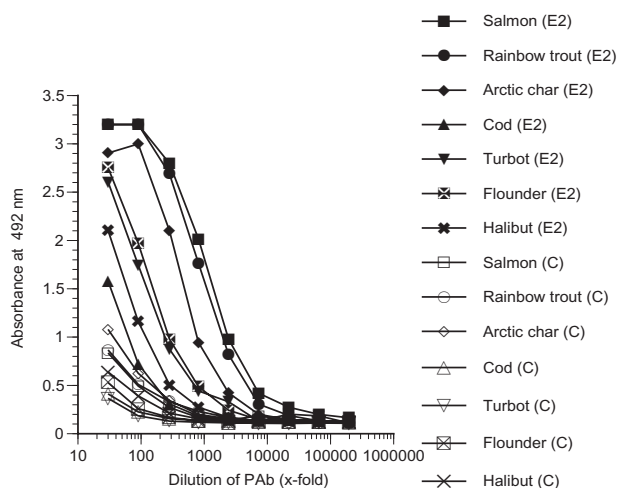
Applications

The polyclonal antibody O-146 works well in both ELISA and western blot for a number of species. Since assay conditions vary, the optimum dilution should be determined for each particular application. *Note:* The antibody is dissolved in a buffer containing BSA, and is therefore not recommended to use for coating.

Normal dilution range:

ELISA: 1:50 - 1:2000

Western blot: 1:50 - 1:2000



ELISA

Coating: Plasma (diluted 1:1000) from 17 β -estradiol treated (E2) or control (C) fish.

Primary antibody: O-146

Western blot

Samples: Plasma (1:100, 10 μ l/well) from 17 β -estradiol treated (E2) or control (C) fish.

Primary antibody: O-146 diluted 1:100