Anti-HER2, rabbit monoclonal (BSR44)

BSH-4004-100 (0.1 ml), BSH-4004-1 (1 ml)

Clonality:	Rabbit monoclonal antibody
Clone:	BSR44
Application:	IHC-P (1:100 – 1:400)
Species Reactivity:	Human
Control tissues:	HER2 0/1+, 2+, 3+ carcinoma
Alias names:	HER-2/neu, ERBB2
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C

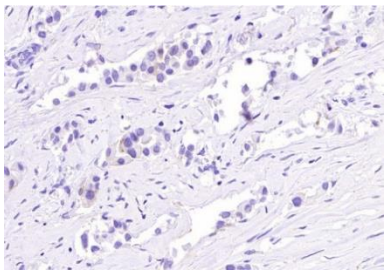
Description

HER2/ERBB2, is a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and gastric tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. Immunohistochemical staining of HER-2 protein is graded as 0/1+, 2+ and 3+.

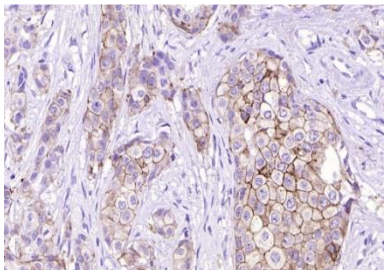
Protocol

1. Deparaffinize and rehydrate tissue section
2. Wash: aqua dest, 2×5 min
3. Pre-treatment: PT-module HIER pH 9.0 (20min at 98°C)
4. H_2O_2 (concentration 3%), 10 min
5. Wash: PBS or TBS buffer, 2×5 min
6. Primary antibody diluted as recommended, 30 min
7. Wash: PBS or TBS buffer, 2×5 min
8. One step HRP-polymer detection, 30 min
9. Wash: PBS or TBS buffer, 2×5 min
10. DAB Substrate, 8 min
11. Wash: aqua dest, 2×2 min
12. Counterstain, dehydrate and coverslip

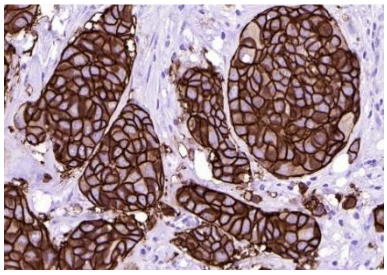
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



a)



b)



c)

HER2 stained ductal breast carcinoma tissue sections. Sections (a-d) have been stained using HER2 optibody (Clone: BSR44) with 1:200 dilution. Carcinoma sections graded with 0/1+ (a), 2+ (b), and 3+ (c) according to the ASCO guideline 2013. Note: only tissue d is HER2 amplified according to the in situ -hybridization (d).