

Records identified and screened after duplicates removed (n = 424)

389 articles excluded according to titles and abstracts:
Revealed no relation, review, letter, comment, case report, only abstract

Full-text articles reviewed for more detailed evaluation (n=35)

22 articles excluded:

1. Evaluating other S100 protein rather than S100A4 (n = 17)
2. Insufficient data to allow for estimation of the HR (n = 3)
3. Only evaluating the correlation between S100A4 with Dukes stage (n = 2)

Articles accepted for analysis (n = 13)